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FIFTEENTH ANNUAL REPORT

OF THE

State Bureau of Labor Statistics.

32080
COAL IN ILLINOIS

1896.

CONTAINING THE

THIRTEENTH ANNUAL REPORTS

OF THE

STATE INSPECTORS OF MINES.

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COAL IN ILLINOIS.

Statistics relating to the production of coal in the State of Illinois have been compiled under the direction of this Bureau for the past fifteen years.

In this time the industry has made great advancement both as regards the quantity and cost of production. While the total number of mines has increased only 28 per cent., the total amount of coal produced has been augmented nearly 80 and the number of men employed about 82 per cent., indicating that, while the increase in product and number of employés has been uniform and parallel, the capacity of individual mines and the consequent economy of production has been increased in a very much greater ratio.

In this, the fifteenth annual report, the form of most of the tables will be found to differ materially from those in preceding reports. These changes have been made partly for the sake of condensation and the avoidance of useless repetitions, and partly from necessity, in consequence of the redistricting, by the 39th General Assembly, of the State into seven instead of five inspection districts.

That part of the act affecting the inspection districts is as follows;

§ 11a. The State shall be divided into seven inspection districts, as follows:
The first district shall be composed of the counties of Boone, McHenry, Lake, DeKalb, Kane, DuPage, Cook, LaSalle, Kendall, Grundy, Will, Livingston and Kankakee.

The second district the counties of JoDaviess, Stephenson, Winnebago, Carroll, Ogle, Whiteside, Lee, Rock Island, Henry, Bureau, Mercer, Stark, Putnam, Marshall, Peoria and Woodford.

The third district the counties of Henderson, Warren, Knox, Hancock, McDonough, Schuyler, Fulton, Adams and Brown.

The fourth district the counties of Tazewell, McLean, Ford, Iroquois, Vermilion, Champaign, Piatt, DeWitt, Macon, Logan, Menard, Mason and Cass.

The fifth district the counties of Pike, Scott, Morgan, Sangamon, Christian, Shelby, Moultrie, Douglas, Coles, Cumberland, Clark, Edgar, Montgomery, Macoupin, Greene, Jersey and Calhoun.

The sixth district the counties of Monroe, St. Clair, Madison, Bond, Clinton, Fayette, Marion, Effingham, Clay, Jasper, Richland Crawford and Lawrence.

The seventh district the counties of Washington, Jefferson, Wayne, Edwards, Wabash, White, Hamilton, Franklin, Perry, Randolph, Jackson, Williamson, Saline, Gallatin, Hardin, Pope, Johnson, Massac, Union, Alexander and Pulaski.

[As amended by an act approved June 15, 1895, in force July 1, 1895.]

The following table contains a brief summary of the items of chief interest in this industry for the year ending July 1, 1896, compared with 1895:

Comparative Statement.

| Subject of Inquiry. | For year ending July 1, 1896 | For year ending July 1, 1895 | Increase 1896 over 1895. | D'crease 1896 from 1895 |
|---|------------------------------------|------------------------------------|--------------------------------|-------------------------------|
| Number of counties in which coal is mined..... | 51 | 54 | ..... | 3 |
| Number of mines and openings of all kinds | 901 | 874 | 27 | ..... |
| Number of shipping mines..... | 330 | 319 | 11 | ..... |
| Number of mines in local trade..... | 571 | 555 | 16 | ..... |
| Number of tons of coal mined, all grades..... | 19,786,626 | 17,735,864 | 2,050,762 | ..... |
| Number of tons of lump coal (2,000 lbs.)..... | 14,210,024 | 14,045,962 | 164,062 | ..... |
| Number of tons of other grades of coal..... | 5,576,602 | 3,689,902 | 1,886,700 | ..... |
| Number of acres worked out (estimated) | 3,292.49 | 2,950.69 | 341.80 | ..... |
| Number of employes, all kinds | 37,032 | 38,630 | ..... | 1,598 |
| Number of boys over 14 years of age under ground. | 911 | 811 | 100 | ..... |
| Number of employes under ground | 33,175 | 34,648 | ..... | 1,473 |
| Number of employes above ground..... | 3,857 | 3,982 | ..... | 125 |
| Average No. of days of active operation—shipping mines | 186 | 182.2 | 3.8 | ..... |
| Aggregate home value of total product | \$15,809,736 | \$14,239,157 | \$1,570,579 | ..... |
| Aggregate home value of lump coal..... | \$12,565,334 | \$13,090,836 | ..... | \$525,502 |
| Aggregate home value of other grades | \$3,244,402 | \$1,148,321 | \$2,096,081 | ..... |
| Average value of lump coal at the mine—per ton... | \$0.899 | \$0.932 | ..... | \$0.033 |
| Average value of other grades of coal at the mine.. | \$0.585 | \$0.549 | \$0.236 | ..... |
| Average price paid for hand mining—the year | \$0.530 | \$0.573 | ..... | \$0.043 |
| Number of tons of coal mined by hand | 9,371,582 | 7,868,006 | 1,503,576 | ..... |
| Number of mining machines in use | 307 | 322 | ..... | 15 |
| Number of tons of coal, all grades, mined by ma- chines..... | 3,871,410 | 3,531,436 | 339,974 | ..... |
| Number of tons of lump coal mined by machines .. | 2,503,739 | 2,469,804 | 33,935 | ..... |
| Number of tons other grades mined by machines .. | 964,591 | 824,235 | 140,356 | ..... |
| Number of kegs of powder used | 369,505 | 324,888 | 44,617 | ..... |
| Number of men killed | 77 | 75 | 2 | ..... |
| Number of wives left widows..... | 44 | 42 | 2 | ..... |
| Number of children left fatherless | 155 | 111 | 44 | ..... |
| Number of men injured so as to lose time | 672 | 605 | 67 | ..... |
| Number of tons of coal mined to each life lost..... | 256,969 | 236,478 | 20,491 | ..... |
| Number of tons of coal mined to each man injured. | 29,444 | 29,312 | 132 | ..... |
| Number of employes to each life lost..... | 481 | 515 | ..... | 34 |
| Number of employes to each man injured | 55 | 64 | ..... | 9 |
| Number of new mines opened and old ones reopened | 142 | 115 | 27 | ..... |
| Number of mines closed or abandoned during the year..... | 115 | 78 | 37 | ..... |

An examination of this table shows a considerable increase in the output over that of 1895, the tonnage reaching a total equalled but once, in 1893, in the history of coal mining in this State.

The average price of lump or screened coal is less than last year, but the average price of other grades shows a considerable advance. This, taken by itself, would appear remarkable, but when the relatively large increase in the tonnage of other grades is taken into consideration, the solution seems to be that the general effort on the part of the operators to introduce larger screens is having a very perceptible effect both on the amount and value of the coal which passes through them.

The number of accidents, both fatal and non-fatal, has been greater this year than last, and this despite the fact that strenuous efforts have been made to enforce the laws having for their purpose the pro-

tection and preservation of the life and health of the miner. This steady increase in the number of casualties seems to be due partly to defects in the laws themselves, but mainly to a condition which is not controlled by any statute.

The prevailing hard times has forced large numbers of men into the ranks of the army of the unemployed. Among these the struggle for a mere existence is constant and intense. The opportunity to earn the bare necessities of life, even at the hardest and most hazardous employment, is a prize to be fought for. The lower the intelligence of the individual, the lower the standard of living, and to that extent he has an advantage over his fellows.

The same cause which has operated to swell the ranks of those seeking employment, has also served to make fiercer the competition between those to whom they must look for employment. The coal operators have extensive and costly plants, representing, in the aggregate, many millions of dollars. Every day of idleness means enormous losses. But to operate them without a vastly greater loss, there must be a sale for the product. This means lower prices and lower prices means reduced cost of operation, and when this object is sought to be attained, wages are always the first point of attack.

These two conditions, operating together, have had their inevitable result. The general intelligence of the coal miners, as a class, has become lower with each succeeding year. Each year finds in the coal mines men of lower skill in their craft, less appreciation of its dangers and less knowledge of the methods of avoiding them. This seems to be the true solution of the constant and deplorable increase in the number of casualties, and, under the present economic conditions, there seems to be but little hope for a betterment.

SHIPPING AND LOCAL MINES.

The mines of this State may, roughly, be divided into two classes, shipping and local. The former are for the most part extensive and costly plants, involving a large outlay of capital, employing a large number of men and not depending for a market upon the local trade.

The local mines, on the other hand, are generally small affairs, working only a small part of the year, employing few men and disposing of their entire product for consumption in their immediate neighborhood. Many of these so-called mines are mere outcroppings of coal on some hillside where the owner of the land, a farmer at

other times, finds employment during the winter months for himself and one or two hired hands in getting out a few tons of coal for his own use and that of a few neighbors.

Tables I and II show the number and comparative importance of shipping and local mines. It will be seen that the 571 local mines, over 63 per cent. of the total number, yield only 739,247 tons, or less than 8 per cent. of the total product.

On account, therefore, of the relative unimportance of the local mines, all computations in this report having for their purpose the determination of questions pertaining to coal mining as a distinct industry are based upon data gathered from the 330 shipping mines since it is this class of mines, producing more than 92 per cent. of the total tonnage of the State and employing over 76 per cent. of the total number of men, which must determine these conditions.

TABLE I—*Shipping and local, new and abandoned mines, ten years.*

| DISTRICTS. | Total number of mines. | SHIPPING MINES. | | MINES IN LOCAL TRADE. | | New mines opened during the year. | Mines abandoned during the year. | Increase (+), decrease (-). | Total number of mines in same territory, 1895. |
|----------------------|------------------------|-----------------|---------------------------|-----------------------|---------------------------|-----------------------------------|----------------------------------|-----------------------------|--|
| | | Number. | Percent. of whole number. | Number. | Percent. of whole number. | | | | |
| First..... | 86 | 38 | 44.18 | 48 | 55.82 | 14 | 10 | +4 | 82 |
| Second..... | 186 | 49 | 26.34 | 137 | 73.66 | 13 | 33 | -20 | 206 |
| Third..... | 210 | 28 | 13.33 | 182 | 86.67 | 31 | 31 | ..... | 210 |
| Fourth..... | 98 | 40 | 40.80 | 58 | 59.20 | 10 | 7 | +3 | 95 |
| Fifth..... | 93 | 50 | 53.76 | 43 | 46.24 | 12 | 19 | -7 | 100 |
| Sixth..... | 102 | 74 | 72.05 | 28 | 27.95 | 10 | 8 | +2 | 100 |
| Seventh..... | 126 | 51 | 40.47 | 75 | 59.53 | 52 | 7 | +45 | 81 |
| The State, 1896..... | 901 | 330 | 36.62 | 571 | 63.38 | 142 | 115 | +27 | 874 |
| " 1895..... | 874 | 319 | 36.50 | 555 | 63.50 | 115 | 77 | +38 | ..... |
| " 1894..... | 836 | 319 | 38.16 | 517 | 61.84 | 156 | 108 | +48 | ..... |
| " 1893..... | 788 | 310 | 39.34 | 478 | 60.66 | 70 | 121 | -51 | ..... |
| " 1892..... | 839 | 310 | 36.95 | 529 | 63.05 | 61 | 140 | -79 | ..... |
| " 1891..... | 918 | 327 | 35.62 | 591 | 64.38 | 92 | 110 | -18 | ..... |
| " 1890..... | 936 | 327 | 34.93 | 609 | 65.07 | 176 | 94 | +82 | ..... |
| " 1889..... | 854 | 332 | 38.88 | 522 | 61.12 | 123 | 102 | +21 | ..... |
| " 1888..... | 833 | 313 | 37.58 | 520 | 62.42 | 99 | 74 | +25 | ..... |
| " 1887..... | 808 | 292 | 36.14 | 516 | 63.86 | 60 | 39 | +21 | ..... |

TABLE II—*Comparison of output of shipping and local mines, four years.*

| DISTRICTS. | SHIPPING MINES. | | | | | LOCAL MINES. | | | | |
|-------------------|--------------------------------|-------------------------------|-----------------------|----------------------------|--|--------------------------------|-------------------------------|-----------------------|----------------------------|--|
| | Total output, all grades—tons. | Total output, lump coal—tons. | Per cent. total tons. | Per cent. lump coal, tons. | Average number of days of active operation of mines. | Total output, all grades—tons. | Total output, lump coal—tons. | Per cent. total tons. | Per cent. lump coal, tons. | Average number of days of active operation of mines. |
| First..... | 2,919,676 | 2,452,870 | 96.2 | 96.2 | 166 | 115,101 | 106,836 | 3.8 | 3.8 | 150 |
| Second..... | 2,491,985 | 1,953,846 | 92.6 | 91.2 | 198 | 198,235 | 192,721 | 7.4 | 8.8 | 155 |
| Third..... | 496,726 | 395,692 | 78.9 | 75.4 | 157 | 132,109 | 128,969 | 21.1 | 24.6 | 160 |
| Fourth..... | 2,666,330 | 1,433,381 | 95.1 | 92.1 | 210 | 136,630 | 122,402 | 4.9 | 7.9 | 147 |
| Fifth..... | 4,656,075 | 3,166,866 | 99.2 | 98.1 | 197 | 33,905 | 33,095 | .8 | 1.9 | 187 |
| Sixth..... | 3,725,888 | 2,833,732 | 98.7 | 98.6 | 196 | 50,276 | 49,643 | 1.3 | 1.4 | 199 |
| Seventh..... | 2,090,699 | 1,281,858 | 96.6 | 96.0 | 164 | 72,991 | 53,113 | 3.4 | 4.0 | 118 |
| The State, 1896.. | 19,047,379 | 13,523,245 | 92.3 | 95.2 | 186 | 739,247 | 686,779 | 7.7 | 4.1 | 159 |
| “ 1895.. | 16,578,890 | 13,014,249 | 93.5 | 92.7 | 171 | 1,156,974 | 1,031,713 | 6.50 | 7.30 | 155 |
| “ 1891.. | 16,106,613 | 12,892,581 | 94.1 | 93.0 | 174 | 1,006,963 | 972,703 | 5.90 | 7.00 | 157 |
| “ 1893.. | 19,257,682 | 15,430,562 | 96.5 | 95.8 | 225 | 691,882 | 682,337 | 3.50 | 4.20 | 161 |

TONNAGE OF THE STATE.

MINES CLASSIFIED ACCORDING TO THEIR OUTPUT.

In the production of coal, as in all other activities of modern industrialism, the constant tendency is to converge about certain centers, to concentrate into fewer hands. Certain localities have natural advantages, either as to ease of access or facilities for distribution; extensive concerns are able to profit themselves in many directions not open to their humbler competitors; large effective capital enables them to take advantage of new and improved methods and the employment of large numbers of men permits of a subdivision of labor and consequent economy of production, which is unattainable by the smaller operators.

It is natural, therefore, to assume that the major part of the tonnage of the State should be the product of comparatively few mines. A glance at the following tables will demonstrate the correctness of this assumption.

Table III gives a list of sixteen of the largest coal producers in the State. These sixteen mines, each with an output of more than 200,000 tons, comprise only $1\frac{3}{4}$ per cent. of the whole number, yet yield over 23 per cent. of the entire product.

Table IV is a list of forty-five mines each having a total output of not less than 100,000, but less than 200,000 tons. These 45 mines, about five per cent. of the whole number, yield over 30 per cent. of the entire product. Combining the two lists, we find sixty-one mines, or about $6\frac{3}{4}$ per cent. of the entire number, producing 53 per cent. of the entire yield of the State. In other words, these 61 concerns produce more coal than the remaining 840 mines of the State.

A better appreciation of the relative importance of these large plants may be obtained from the following comparisons:

Of the twenty-seven coal producing states, other than Illinois, only three, Pennsylvania, Ohio and West Virginia, produced more coal than the combined output of these sixty-one mines.

The sixteen mines embraced in Table No. III, had a greater tonnage of all grades of coal than the whole of British North America, including Nova Scotia, British Columbia, the Northwest Territories and New Brunswick.

These same sixteen mines produced nearly four times as much coal in 1896 as was imported into this country during the same period, from all the countries of the world.

TABLE III—*Mines having a total output of 200,000 tons and over—all grades.*

| Name of Company. | Location of mine. | Count. | District. | Total tonnage all grades. |
|--|-------------------|----------------|-----------|---------------------------|
| Chicago Vir en Coal Co., No. 1..... | Vir den..... | Macoupin..... | 5 | 348,333 |
| Spring Valley Coal Co., Nos. 2 and 4. | Spring Valley.... | Bureau..... | 2 | 344,168 |
| Pawnee Coal Co., No. 2..... | Westville..... | Vermilion.... | 4 | 342,982 |
| Chicago, Milw. & St. Paul, No. 4..... | Braceville..... | Grundy..... | 1 | 340,598 |
| Madison Coal Co., No. 5..... | Mt. Olive..... | Macoupin.... | 5 | 316,550. |
| Kelly Coal Co., No. 2..... | Westville..... | Vermilion.... | 4 | 309,522 |
| Consolidated Coal Co. of St. Louis... | Mt. Olive..... | Macoupin..... | 5 | 308,234 |
| Devlin Coal Co., No. 1..... | Toluca..... | Marshall..... | 2 | 308,205 |
| Consol. Coal Co. of St. Louis, No. 10. | Mt. Olive..... | Macoupin..... | 5 | 280,318 |
| Madison Coal Co., No. 2..... | Glen Carbon..... | Madison..... | 6 | 274,629 |
| Spring Valley Coal Co., No. 3..... | Spring Valley.... | Bureau..... | 2 | 242,930 |
| St. Louis & B. M. Coal Co..... | Carterville..... | Williamson.... | 7 | 218,696 |
| Consol. Coal Co. of St. Louis, No. 6.. | Staunton..... | Macoupin..... | 5 | 214,765 |
| Taylorville Coal Co..... | Taylorville..... | Christian..... | 5 | 211,710 |
| Pana Coal Co., Nos. 1 and 2..... | Pana..... | Christian..... | 5 | 209,000 |
| Star Coal Co., No. 2..... | Kangley..... | LaSalle..... | 1 | 201,970 |
| 16 mines..... | 12 towns..... | 9 counties.... | 6 dists. | 4,472,610 |

TABLE IV—*Mines having a total output of 100,000 tons and less than 200,000 tons—all grades.*

| Name of Company. | Location of mine. | County. | Dis- trict. | Total tonnage all grades. |
|---|--------------------|-------------------------|----------------|------------------------------|
| P. D. Mining & Mfg. Co., Big 4..... | Centralia..... | Marion..... | 6 | 181,576 |
| Muddy Valley Mining & Mfg. Co.... | Hallidayboro..... | Jackson..... | 7 | 180,316 |
| Whitebreast Fuel Co., "B"..... | Ladd..... | Bureau..... | 2 | 176,780 |
| Penwell Coal Co..... | Pana..... | Christian..... | 5 | 176,492 |
| Chicago, Virden Coal Co., No. 2..... | Auburn..... | Sangamon..... | 5 | 173,032 |
| Chicago, Wilm't'n & Vermilion, No. 1 | Heenanville..... | LaSalle..... | 1 | 169,689 |
| Big 4 Wilmington Coal Co..... | Coal City..... | Grundy..... | 1 | 164,382 |
| Consolidated Coal Co..... | Mission Field..... | Vermilion..... | 4 | 161,580 |
| Sandoval Coal Mining Co..... | Sandoval..... | Marion..... | 6 | 158,557 |
| Big 4 Wilmington Coal Co..... | Coal City..... | Grundy..... | 1 | 157,372 |
| Star Coal Co., No. 2..... | Carbon Hill..... | Grundy..... | 1 | 153,252 |
| Westville Coal Co..... | Westville..... | Vermilion..... | 4 | 151,300 |
| Consolidated Coal Co., Abbey No. 3.. | Collinsville..... | Madison..... | 6 | 149,537 |
| Centralia Mining & Mfg. Co..... | Centralia..... | Marion..... | 6 | 148,159 |
| Big Muddy Coal & Iron Co., No. 4.... | Murphysboro..... | Jackson..... | 7 | 147,629 |
| Consolidated Coal Co., No. 4..... | Tilton..... | Vermilion..... | 4 | 146,191 |
| LaSalle Coal & Coke Co., No. 1..... | LaSalle..... | LaSalle..... | 1 | 139,273 |
| Whitebreast Fuel Co., "C"..... | Dumfriesline..... | Fulton..... | 3 | 137,614 |
| Breese Coal Co., "Future"..... | Breese..... | Clinton..... | 6 | 137,038 |
| Chie., Wilm't'n & Vermil. C. Co., No. 1 | Seatonville..... | Bureau..... | 2 | 135,718 |
| Glenburn Coal Co..... | Glenburn..... | Vermilion..... | 4 | 132,419 |
| McLean County Coal Co..... | Bloomington..... | McLean..... | 4 | 127,000 |
| Consolidated Coal Co., Heintz Bluff. | Collinsville..... | Madison..... | 6 | 126,935 |
| Madison Coal Co., No. 1..... | Glen Carbon..... | Madison..... | 6 | 125,736 |
| Cantrall Co-operative Coal Co., No. 2 | Cantrall..... | Sangamon..... | 5 | 122,780 |
| LaSalle Coal & Coke Co..... | LaSalle..... | LaSalle..... | 1 | 121,256 |
| Consolidated Coal Co., No. 7..... | Staunton..... | Macoupin..... | 5 | 121,220 |
| Sangamon Coal Co..... | Springfield..... | Sangamon..... | 5 | 120,851 |
| Alden Coal Co., No. 1..... | Wanlock..... | Mercer..... | 2 | 120,164 |
| Kelly Coal Co., No. 1..... | Grape Creek..... | Vermilion..... | 4 | 120,051 |
| Oglesby Coal Co..... | Oglesby..... | LaSalle..... | 1 | 119,445 |
| Chicago, Wilm't'n & Vermilion, "P" | Braidwood..... | Grundy..... | 1 | 117,009 |
| Oden Coal Co..... | Oden..... | Marion..... | 6 | 117,000 |
| LaSalle Coal & Coke Co..... | Union..... | LaSalle..... | 1 | 114,594 |
| Marquette Three Vein Coal Co..... | Marquette..... | Bureau..... | 2 | 114,035 |
| Riverton Coal Co., No. 2..... | Riverton..... | Sangamon..... | 5 | 113,398 |
| Coal Valley Mining Co., No. 1..... | Cable..... | Mercer..... | 2 | 111,218 |
| Consolidated Coal Co..... | Gillespie..... | Macoupin..... | 5 | 111,100 |
| Star Coal Co., No. 3..... | Carbon Hill..... | Grundy..... | 1 | 110,273 |
| Empire Coal Co., No. 1..... | Gilchrist..... | Mercer..... | 2 | 107,158 |
| Springfield Coal Mining Co..... | Pana..... | Christian..... | 5 | 104,000 |
| Big Muddy Coal & Iron Co., No. 4.... | Murphysboro..... | Jackson..... | 7 | 100,515 |
| Madison Coal Co., No. 4..... | Glen Carbon..... | Madison..... | 6 | 100,362 |
| DuQuoin Union Coal Co., "Egyptian" | DuQuoin..... | Perry..... | 7 | 100,000 |
| Chicago & Minonk Coal Co..... | Minonk..... | Woodford..... | 2 | 100,000 |
| 45 mines..... | 38 towns..... | 16 counties... 7 dists. | | 6,020,370 |

TABLE V—*Analysis of Tables III and IV by districts, with comparisons for the State for six years.*

| DISTRICTS. | MINES HAVING A TOTAL OUTPUT, ALL GRADES, OF 200,000 TONS AND OVER. | | | | MINES HAVING A TOTAL OUTPUT, ALL GRADES, OF 100,000 TONS AND LESS THAN 200,000. | | | | ALL MINES OF 100,000 TONS OUTPUT AND OVER. | | | |
|------------------|--|-----------------|---------------------|---------------------|---|-----------------|---------------------|---------------------|--|-----------------|---------------------|---------------------|
| | Number of mines. | Number of tons. | Per cent. of mines. | Per cent. of tons.. | Number of mines. | Number of tons. | Per cent. of mines. | Per cent. of tons.. | Number of mines. | Number of tons. | Per cent. of mines. | Per cent. of tons.. |
| First..... | 2 | 542,568 | 2.32 | 17.84 | 10 | 1,366,536 | 11.62 | 45.03 | 12 | 1,909,104 | 13.94 | 62.87 |
| Second..... | 3 | 895,303 | 1.61 | 33.27 | 7 | 865,073 | 3.76 | 32.16 | 10 | 1,760,376 | 5.37 | 65.43 |
| Third..... | 2 | 652,504 | 2.04 | 23.28 | 1 | 137,614 | .47 | 21.88 | 1 | 137,614 | .47 | 21.88 |
| Fourth..... | 2 | 652,504 | 2.04 | 23.28 | 6 | 838,613 | 6.12 | 29.24 | 8 | 1,491,117 | 8.16 | 52.52 |
| Fifth..... | 7 | 1,888,910 | 7.52 | 44.97 | 8 | 1,039,874 | 8.60 | 22.17 | 15 | 2,928,784 | 16.12 | 67.14 |
| Sixth..... | 1 | 274,629 | .98 | 7.01 | 9 | 1,244,200 | 8.92 | 32.95 | 10 | 1,518,829 | 9.90 | 39.96 |
| Seventh..... | 1 | 218,696 | .79 | 10.11 | 4 | 528,460 | 3.17 | 24.52 | 5 | 747,156 | 3.96 | 34.63 |
| The State, 1896. | 16 | 4,472,610 | 1.77 | 23.60 | 45 | 6,020,370 | 4.99 | 30.43 | 61 | 10,492,980 | 6.76 | 53.03 |
| " 1895. | 9 | 2,344,591 | 1.03 | 13.21 | 45 | 6,346,937 | 5.15 | 35.77 | 54 | 8,691,528 | 6.18 | 48.98 |
| " 1894. | 6 | 1,473,550 | 0.72 | 8.61 | 44 | 6,035,084 | 5.25 | 35.27 | 50 | 7,508,634 | 5.97 | 43.88 |
| " 1893. | 14 | 3,501,768 | 1.78 | 17.55 | 45 | 6,291,935 | 5.71 | 31.54 | 59 | 9,793,743 | 7.49 | 49.09 |
| " 1892. | 10 | 2,373,599 | 1.19 | 13.29 | 42 | 5,955,091 | 5.01 | 33.37 | 52 | 8,328,690 | 6.20 | 46.66 |
| " 1891. | 6 | 1,475,503 | 0.65 | 9.42 | 37 | 5,175,336 | 4.03 | 33.04 | 43 | 6,650,839 | 4.68 | 42.46 |

TABLE VII—*Classification of mines according to output of lump coal—Percentages—Six years.*

| DISTRICTS. | Mines producing less than 10,000 tons. | | | Mines producing 10,000 tons and less than 50,000. | | | Mines producing 50,000 tons and less than 100,000. | | | Mines producing more than 100,000 tons of coal. | | | All Mines. | | |
|--------------|--|--|---|---|--|---|--|--|---|---|--|---|------------|---|---|
| | Number. | Per cent. of whole number in district. | Per cent. of total tonnage in district. | Number. | Per cent. of whole number in district. | Per cent. of total tonnage in district. | Number. | Per cent. of whole number in district. | Per cent. of total tonnage in district. | Number. | Per cent. of whole number in district. | Per cent. of total tonnage in district. | Number. | Per cent. of whole number in district to whole number in State. | Per cent. of total tonnage of district to total tonnage of State. |
| First..... | 52 | 60.46 | 2.83 | 13 | 15.12 | 12.13 | 12 | 13.95 | 32.52 | 9 | 10.47 | 52.52 | 86 | 9.98 | 18.01 |
| Second..... | 153 | 84.07 | 12.66 | 16 | 8.79 | 16.49 | 8 | 4.40 | 24.99 | 5 | 2.74 | 45.86 | 182 | 21.11 | 15.10 |
| Third..... | 197 | 94.25 | 32.11 | 11 | 5.26 | 48.03 | ..... | ..... | ..... | 1 | .47 | 19.85 | 209 | 24.25 | 3.69 |
| Fourth..... | 67 | 72.82 | 9.73 | 10 | 10.86 | 14.11 | 12 | 13.04 | 50.94 | 3 | 3.26 | 25.22 | 92 | 10.67 | 10.95 |
| Fifth..... | 49 | 52.68 | 2.11 | 22 | 23.65 | 22.65 | 14 | 15.05 | 32.12 | 8 | 8.62 | 43.12 | 93 | 10.79 | 22.52 |
| Sixth..... | 38 | 57.62 | 3.23 | 43 | 42.57 | 36.79 | 15 | 14.83 | 35.68 | 5 | 4.95 | 24.30 | 101 | 11.72 | 20.33 |
| Seventh..... | 68 | 67.67 | 11.23 | 20 | 20.20 | 31.16 | 9 | 9.09 | 141.81 | 2 | 2.03 | 15.80 | 99 | 11.48 | 9.40 |
| The State, | | | | | | | | | | | | | | | |
| 1896..... | 624 | 72.39 | 6.86 | 135 | 15.66 | 23.53 | 70 | 8.12 | 33.61 | 33 | 3.83 | 36.00 | *62 | ..... | ..... |
| 1895..... | 607 | 70.99 | 7.35 | 151 | 17.66 | 25.89 | 67 | 7.84 | 34.93 | 30 | 3.51 | 31.83 | †855 | ..... | ..... |
| 1894..... | 569 | 68.06 | 6.70 | 169 | 20.21 | 30.00 | 66 | 7.91 | 32.70 | 32 | 3.82 | 30.60 | 836 | ..... | ..... |
| 1893..... | 522 | 66.24 | 5.40 | 146 | 18.53 | 22.80 | 80 | 10.15 | 34.50 | 40 | 5.08 | 37.30 | 788 | ..... | ..... |
| 1892..... | 577 | 68.77 | 6.30 | 154 | 18.36 | 24.30 | 69 | 8.22 | 31.80 | 39 | 4.65 | 37.60 | 839 | ..... | ..... |
| 1891..... | 668 | 72.77 | 8.30 | 164 | 17.86 | 29.10 | 55 | 5.99 | 29.60 | 31 | 3.38 | 33.00 | 918 | ..... | ..... |

* Real total, 901. 39 mines made no report of tonnage.

† " 874. 19 " " " "

RANK OF COUNTIES.

The following table gives the principal coal producing counties of the State in the order of their output for 1895 and 1896. These twenty-one counties yield about 91 per cent, of entire product of the State and their combined tonnage is greater than any other state in the Union with the single exception of Pennsylvania.

TABLE VIII—*Counties producing 200,000 tons of coal and over.*

| DISTRICTS. | YEAR 1895. | | | DISTRICTS. | YEAR 1896. | | |
|------------|-----------------|-------|---------------------------|------------|-----------------|-------|----------------------------|
| | COUNTIES. | Rank. | Total product, all grade. | | COUNTIES. | Rank. | Total product, all grades. |
| 4 | Macoupin..... | 1 | 1,948,392 | 5 | Macoupin..... | 1 | 2,097,559 |
| 5 | St. Clair..... | 2 | 1,471,106 | 4 | Vermilion..... | 2 | 1,822,346 |
| 4 | Sangamon..... | 3 | 1,318,092 | 5 | Sangamon..... | 3 | 1,587,812 |
| 1 | Grundy..... | 4 | 1,261,838 | 4 | St. Clair..... | 4 | 1,571,323 |
| 3 | Vermilion..... | 5 | 1,177,375 | 1 | LaSalle..... | 5 | 1,409,085 |
| 1 | LaSalle..... | 6 | 1,084,552 | 1 | Grundy..... | 6 | 1,247,394 |
| 4 | Madison..... | 7 | 978,161 | 6 | Madison..... | 7 | 1,080,718 |
| 2 | Bureau..... | 8 | 834,541 | 2 | Bureau..... | 8 | 1,042,304 |
| 5 | Jackson..... | 9 | 739,661 | 7 | Jackson..... | 9 | 771,384 |
| 4 | Christian..... | 10 | 735,361 | 5 | Christian..... | 10 | 763,228 |
| 5 | Perry..... | 11 | 587,444 | 7 | Perry..... | 11 | 726,507 |
| 5 | Marion..... | 12 | 538,900 | 6 | Marion..... | 12 | 643,561 |
| 3 | Fulton..... | 13 | 468,792 | 3 | Fulton..... | 13 | 516,359 |
| 2 | Mercer..... | 14 | 462,011 | 2 | Peoria..... | 14 | 457,061 |
| 5 | Williamson..... | 15 | 461,475 | 2 | Mercer..... | 15 | 450,071 |
| 3 | Peoria..... | 16 | 437,457 | 7 | Williamson..... | 16 | 444,406 |
| 2 | Marshall..... | 17 | 346,281 | 2 | Marshall..... | 17 | 389,429 |
| 5 | Clinton..... | 18 | 284,487 | 4 | Menard..... | 18 | 347,345 |
| 3 | Menard..... | 19 | 277,738 | 6 | Clinton..... | 19 | 309,504 |
| 1 | Livingston..... | 20 | 267,133 | 1 | Livingston..... | 20 | 218,953 |
| 4 | Macon..... | 21 | 231,000 | 7 | Randolph..... | 21 | 202,838 |
| | Total..... | | 15,920,397 | | Total..... | | 18,099,167 |

PRODUCT, ACREAGE AND EMPLOYES.

TABLE IX gives the product and number of acres worked out, by districts and counties, for four years. The counties for the years 1893-'94-'95 are arranged, for the purpose of ease of comparison, in the order of the present districts.

| STATE, DISTRICTS AND COUNTIES. | FOR THE YEAR 1893. | | | FOR THE YEAR 1894. | | | FOR THE YEAR 1895. | | | FOR THE YEAR 1896. | | |
|-----------------------------------|------------------------------------|---|------------------------------------|---|------------------------------------|---|------------------------------------|---|-------------------------------|------------------------------------|---|--|
| | Total tons of coal produced. | Estimated number of acres worked out. | Total tons of coal produced. | Estimated number of acres worked out. | Total tons of coal produced. | Estimated number of acres worked out. | Total tons of coal produced. | Estimated number of acres worked out. | Number of men employed. | Total tons of coal produced. | Estimated number of acres worked out. | |
| The State..... | *19,949,564 | **3,109.07 | †17,113,576 | ‡2,818.01 | §17,735,864 | \|\|2,950.69 | ¶19,786,626 | 37,057 | 37,057 | 19,786,626 | 3,292.49 | |
| FIRST DISTRICT..... | 3,394,686 | 676.87 | 2,685,244 | 561.00 | 2,735,711 | 555.00 | 3,034,777 | 9,380 | 9,380 | 3,034,777 | 698.73 | |
| Grundy..... | 1,186,919 | 252.21 | 1,130,420 | 260.50 | 1,261,838 | 306.50 | 1,247,394 | 4,021 | 4,021 | 1,247,394 | 321.78 | |
| Kankakee..... | 88,700 | 23.9 | 57,883 | 16.80 | 83,513 | 15.70 | 72,395 | 2 | 2 | 72,395 | 18.50 | |
| LaSalle..... | 1,494,826 | 278.4 | 1,134,097 | 212.40 | 1,084,552 | 183.70 | 1,409,085 | 39 | 4,077 | 1,409,085 | 284.87 | |
| Livingston..... | 542,516 | 99.8 | 342,127 | 67.00 | 267,133 | 40.40 | 218,953 | 15 | 789 | 218,953 | 51.96 | |
| Will..... | 81,725 | 21.56 | 20,717 | 4.30 | 38,675 | 8.70 | 86,950 | 3 | 321 | 86,950 | 21.62 | |
| SECOND DISTRICT..... | 3,394,686 | 565.83 | 2,331,999 | 519.16 | 2,415,520 | 517.70 | 2,690,220 | 7,103 | 7,103 | 2,690,220 | 585.09 | |
| Bureau..... | 1,143,270 | 244.50 | 878,937 | 169.30 | 834,541 | 160.80 | 1,042,304 | 2,487 | 2,487 | 1,042,304 | 195.04 | |
| Henry..... | 156,261 | 50.40 | 111,640 | 31.25 | 135,967 | 38.15 | 136,415 | 18 | 466 | 136,415 | 34.91 | |
| Marshall..... | 92,144 | 27.80 | 134,696 | 27.10 | 346,281 | 58.65 | 389,429 | 32 | 406 | 389,429 | 82.08 | |
| Mercer..... | 363,206 | 64.70 | 374,003 | 85.35 | 462,011 | 103.62 | 450,071 | 12 | 912 | 450,071 | 113.24 | |
| Peoria..... | 620,149 | 138.43 | 611,792 | 140.17 | 437,457 | 100.22 | 457,061 | 18 | 1,078 | 457,061 | 107.09 | |
| Rock Island..... | 34,308 | 10.10 | 41,641 | 13.75 | 45,585 | 14.54 | 34,065 | 66 | 1,080 | 34,065 | 9.57 | |
| Stark..... | 23,070 | 6.70 | 22,625 | 6.39 | 22,131 | 6.16 | 18,085 | 18 | 168 | 18,085 | 4.24 | |
| Woodford..... | 180,131 | 43.20 | 156,665 | 45.85 | 131,557 | 35.56 | 162,790 | 20 | 104 | 162,790 | 38.92 | |

| THIRD DISTRICT | | | | | | | | | |
|-------------------|---------|-----------|--------|-----------|--------|-----|-------|-----------|--------|
| 990,902 | 224.39 | 697,784 | 169.94 | 617,517 | 157.27 | 210 | 9,134 | 628,835 | 158.48 |
| Fulton | 159.06 | 557,703 | 115.73 | 468,792 | 100.86 | 96 | 1,425 | 516,349 | 113.84 |
| Hancock | 1.90 | 10,315 | 5.60 | 10,274 | 4.97 | 7 | 46 | 4,497 | 2.46 |
| Knox | 49,808 | 51,530 | 16.15 | 58,330 | 17.24 | 31 | 215 | 39,557 | 11.90 |
| McDonough | 37.10 | 53,367 | 22.90 | 53,387 | 22.90 | 42 | 303 | 47,821 | 20.85 |
| Schuyler | 4.00 | 13,828 | 3.54 | 12,600 | 3.60 | 11 | 43 | 7,915 | 2.25 |
| Warren | 5.90 | 11,041 | 6.02 | 14,191 | 8.01 | 23 | 104 | 12,686 | 6.19 |
| FOURTH DISTRICT | | | | | | | | | |
| 2,104,889 | 309.20 | 1,979,578 | 323.19 | 2,145,454 | 373.85 | 98 | 4,467 | 2,802,960 | 444.54 |
| Cass | 23,150 | 18,900 | 3.27 | 19,120 | 3.49 | 4 | 41 | 8,612 | 266.00 |
| Logan | 37.39 | 186,300 | 35.32 | 281,975 | 41.93 | 3 | 302 | 166,000 | 33.70 |
| Macon | 10.00 | 227,820 | 33.50 | 231,000 | 39.00 | 3 | 397 | 188,207 | 29.80 |
| Menard | 46.87 | 295,852 | 47.46 | 277,738 | 49.54 | 11 | 410 | 347,365 | 60.83 |
| McLean | 39.50 | 167,294 | 18.06 | 164,140 | 18.59 | 3 | 620 | 156,891 | 30.40 |
| Tazewell | 25.29 | 93,599 | 24.13 | 94,106 | 22.80 | 14 | 275 | 113,541 | 22.96 |
| Vermilion | 144.66 | 989,813 | 161.45 | 1,177,375 | 198.50 | 60 | 2,422 | 1,822,344 | 264.19 |
| FIFTH DISTRICT | | | | | | | | | |
| 4,405,573 | 629.39 | 3,968,446 | 565.90 | 4,302,288 | 557.01 | 93 | 5,783 | 4,689,980 | 681.20 |
| Calhoun | 4,584 | 3,487 | 1.50 | 9,200 | 4.00 | 1 | 22 | 6,000 | 3.00 |
| Christian | 889,650 | 1,005,500 | 106.00 | 735,361 | 102.90 | 6 | 1,083 | 763,228 | 108.00 |
| Greene | 10,995 | 18,600 | 6.90 | 11,345 | 4.56 | 8 | 46 | 8,270 | 3.70 |
| Macopin | 298.03 | 1,575,045 | 230.50 | 1,948,992 | 208.56 | 18 | 1,901 | 2,097,539 | 288.10 |
| Montgomery | 175,712 | 178,040 | 23.00 | 197,842 | 30.00 | 4 | 120 | 171,099 | 21.50 |
| Sangamon | 192.87 | 1,142,299 | 182.00 | 1,318,092 | 186.70 | 26 | 2,043 | 1,587,812 | 242.30 |
| Scott | 22,757 | 19,025 | 6.20 | 17,730 | 7.05 | 5 | 55 | 18,410 | 3.90 |
| Shelby | 13,460 | 26,450 | 9.80 | 63,726 | 13.24 | 15 | 188 | 35,297 | 8.80 |
| Morgan and Jersey | ..... | ..... | ..... | ..... | ..... | 9 | 25 | 2,325 | ..... |
| SIXTH DISTRICT | | | | | | | | | |
| 3,899,988 | 452.80 | 3,272,720 | 364.75 | 3,374,159 | 487.61 | 102 | 4,374 | 3,776,164 | 418.18 |
| Bond | 78,600 | 79,591 | 10.00 | 93,515 | 10.05 | 2 | 115 | 71,058 | 11.30 |
| Clinton | 255,095 | 200,920 | 3.10 | 284,487 | 40.50 | 3 | 313 | 303,504 | 41.30 |
| Madison | 143.44 | 889,768 | 114.90 | 978,161 | 116.06 | 24 | 1,208 | 1,080,718 | 139.10 |
| Marion | 480,529 | 478,757 | 6.15 | 538,900 | 88.50 | 6 | 774 | 643,561 | 92.00 |
| St. Clair | 213,870 | 1,623,684 | 230.60 | 1,479,106 | 232.50 | 67 | 1,964 | 1,671,323 | 127.40 |

Table IX—Concluded.

| STATE, DISTRICTS AND COUNTIES. | FOR THE YEAR 1883. | | FOR THE YEAR 1884. | | FOR THE YEAR 1885. | | FOR THE YEAR 1886. | | |
|--------------------------------|------------------------------|---------------------------------------|------------------------------|---------------------------------------|------------------------------|---------------------------------------|-------------------------|------------------------------|---------------------------------------|
| | Total tons of coal produced. | Estimated number of acres worked out. | Total tons of coal produced. | Estimated number of acres worked out. | Total tons of coal produced. | Estimated number of acres worked out. | Number of men employed. | Total tons of coal produced. | Estimated number of acres worked out. |
| SEVENTH DISTRICT | 2,501,947 | 225.80 | 2,169,507 | 255.70 | 2,137,338 | 296.25 | 3,816 | 2,163,690 | 305.65 |
| Gallatin..... | 17,457 | 2.15 | 155,351 | 4.60 | 20,330 | 4.25 | 102 | 26,350 | 6.81 |
| Hamilton..... | ..... | ..... | ..... | ..... | 4,645 | ..... | 3 | 1,000 | 1.50 |
| Jackson..... | 926,242 | 80.08 | 766,514 | 94.90 | 739,661 | 86.53 | 1,120 | 771,384 | 95.00 |
| Jefferson..... | ..... | ..... | ..... | ..... | 27,880 | 5.00 | 59 | 10,100 | 2.10 |
| Johnson..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 1,250 | .63 |
| Perry..... | 860,131 | 82.81 | 530,490 | 61.00 | 587,444 | 92.22 | 17 | 626,507 | 103.65 |
| Randolph..... | 171,055 | 21.44 | 193,247 | 35.30 | 194,481 | 31.25 | 24 | 202,838 | 33.00 |
| Satine..... | 36,436 | 5.14 | 36,913 | 5.60 | 45,202 | 8.75 | 16 | 46,495 | 10.18 |
| Washington..... | 72,200 | 5.14 | 49,835 | 2.80 | 56,220 | 9.00 | 141 | 33,360 | 8.50 |
| Williamson..... | 418,426 | 28.56 | 437,157 | 51.50 | 461,475 | 53.25 | 92 | 444,406 | 44.78 |

* 9,040 tons included in total not properly located as to counties, but in Fifth District.

** 4.19 acres

† 8,298

‡ 38.37

§ 7,877 tons

|| 6 acres

Table X gives a tolerably comprehensive history of this phase of the industry for the fifteen years during which these statistics have been collected. The estimated number of acres worked out has been given for only six years with sufficient accuracy to warrant their acceptance. Prior to 1891, when given at all, they seem to have referred to the acreage owned by the various companies rather than the area actually worked out.

TABLE X.

| DISTRICTS. | LUMP COAL. | | OTHER GRADES. | | TOTAL PRODUCT. | INCREASE IN TOTAL OUTPUT OVER 1882. (First Report) | | Estimated number of acres worked out. | Whole number of mines. | Highest number of men employed during year. |
|--------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|--|-----------|---------------------------------------|------------------------|---|
| | Tons—2,000 lbs. | Per cent. total output. | Tons—2,000 lbs. | Per cent. total output. | Tons—2,000 lbs. | Tons. | Per cent. | | | |
| First..... | 2,559,706 | 84.34 | 475,071 | 15.66 | 3,034,777 | ..... | ..... | 698.73 | 86 | 9,380 |
| Second..... | 2,146,567 | 79.79 | 543,653 | 20.21 | 2,690,220 | ..... | ..... | 585.09 | 186 | 7,103 |
| Third..... | 524,661 | 83.43 | 104,174 | 16.57 | 628,835 | ..... | ..... | 158.48 | 210 | 2,134 |
| Fourth..... | 1,555,783 | 55.55 | 1,247,177 | 44.46 | 2,802,960 | ..... | ..... | 444.54 | 98 | 4,467 |
| Fifth..... | 3,199,961 | 68.28 | 1,490,019 | 31.72 | 4,689,980 | ..... | ..... | 681.20 | 93 | 5,758 |
| Sixth..... | 2,888,375 | 76.51 | 887,789 | 23.49 | 3,776,164 | ..... | ..... | 418.20 | 102 | 4,374 |
| Seventh..... | 1,334,971 | 62.61 | 828,719 | 37.84 | 2,163,690 | ..... | ..... | 305.65 | 126 | 3,816 |
| THE STATE: | | | | | | | | | | |
| 1896..... | 14,210,024 | 71.86 | 5,576,602 | 28.14 | 19,786,626 | 8,769,557 | 79.59 | 3,202.49 | 901 | 37,032 |
| 1895..... | 14,045,962 | 79.25 | 3,689,902 | 20.75 | 17,735,864 | 6,718,795 | 69.15 | 2,950.69 | 874 | 38,630 |
| 1894..... | 13,865,284 | 81.02 | 3,248,292 | 18.98 | 17,113,576 | 6,096,507 | 55.33 | 2,818.01 | 836 | 38,477 |
| 1893..... | 16,112,899 | 80.77 | 3,836,655 | 19.23 | 19,949,564 | 8,932,495 | 81.08 | 3,109.07 | 788 | 35,390 |
| 1892..... | 14,730,963 | 82.47 | 3,131,313 | 17.53 | 17,062,276 | 6,045,207 | 55.05 | 3,004.39 | 839 | 33,632 |
| 1891..... | 12,960,224 | 82.76 | 2,700,474 | 17.24 | 15,660,698 | 4,643,629 | 42.15 | 2,802.41 | 918 | 32,951 |
| 1890..... | 12,638,364 | 82.74 | 2,636,363 | 17.26 | 15,274,727 | 4,257,658 | 38.65 | ..... | 936 | 28,574 |
| 1889..... | 11,597,963 | 82.74 | 2,419,335 | 17.26 | 14,017,298 | 3,000,229 | 27.23 | ..... | 854 | 30,076 |
| 1888..... | 11,855,188 | 82.74 | 2,472,993 | 17.26 | 14,328,181 | 3,211,112 | 29.15 | ..... | 833 | 29,410 |
| 1887..... | 10,278,890 | 82.74 | 2,144,176 | 17.26 | 12,423,066 | 1,405,997 | 12.76 | ..... | 808 | 26,804 |
| 1886..... | 9,246,435 | 82.74 | 1,928,806 | 17.26 | 11,175,241 | 158,172 | 1.44 | ..... | 787 | 25,846 |
| 1885..... | 9,791,874 | 82.74 | 2,402,585 | 17.26 | 11,834,459 | 817,390 | 7.42 | ..... | 778 | 25,946 |
| 1884..... | 10,101,005 | 82.17 | 2,107,070 | 17.83 | 12,208,075 | 1,191,006 | 10.81 | ..... | 741 | 25,575 |
| 1883..... | 10,030,991 | 82.74 | 2,092,465 | 17.26 | 12,123,456 | 1,105,387 | 10.03 | ..... | 639 | 23,939 |
| 1882..... | 9,115,653 | 82.74 | 1,901,506 | 17.26 | 11,017,069 | ..... | ..... | ..... | 704 | 20,290 |

VALUES AND PRICES.

Table XI presents a review of values of the product and prices paid for mining for the past fifteen years. This table, taken in connection with Table X, gives a very clear presentation of the leading commercial features of this industry. It will be noticed that in determining the average price per ton paid for mining, not all of the actual output is considered. This is because of the fact that, in many instances, it is impossible to obtain all of the necessary data with sufficient accuracy to justify its use for this purpose. Those reports only are considered which are so complete as to make the conclusions drawn from them reliable and trustworthy.

The aggregate value of all grades, as given in the first column of Table XI, is the value of the entire product, but the aggregate value of lump coal, as given in the second column of same table, includes only that portion of the product which is used in obtaining the average price. For 1896, the amount of lump or screened coal upon which these calculations are based, is 9,371,582 tons, or about 66 per cent. of the whole. This proportion, practically uniform throughout the different sections of the State, seems sufficiently large to insure substantial accuracy in the result.

In explanation of one feature of the column in Table XI, headed "Number of tons considered in finding price paid for mining," it should be said that prior to 1891, the calculations seem to have been based on the total output, rather than on lump coal alone. This will account for the relatively large tonnage considered prior to that year.

TABLE XI—*Values and prices, fifteen years, 1882–1896.*

| DISTRICTS. | ALL GRADES. | LUMP COAL. | | | | | | |
|---------------------|---|---|--|--------------------------------|--|---|---------------------------|-----------------------------|
| | Aggregate value of total product at the mine. | Aggregate value of lump coal at the mine. | Average value at the mine — per ton. | Decrease from 1882—per ton. | Number of tons considered in finding price paid for mining. | Average price paid for hand mining per ton. | Decrease from 1883. | Ratio of price to value. |
| First..... | \$3,055,234 | \$2,904,988 | \$1.061 | ..... | 2,510,149 | \$0.703 | ..... | 66.2 |
| Second..... | 2,800,358 | 2,568,448 | 1.149 | ..... | 2,372,958 | .625 | ..... | 54.4 |
| Third..... | 565,669 | 532,449 | 1.014 | ..... | 498,436 | .515 | ..... | 50.8 |
| Fourth..... | 2,130,415 | 1,396,195 | .897 | ..... | 1,457,413 | .362 | ..... | 40.4 |
| Fifth..... | 3,754,472 | 1,318,854 | .739 | ..... | 2,399,839 | .348 | ..... | 47.1 |
| Sixth..... | 1,995,819 | 1,805,011 | .625 | ..... | 589,550 | .387 | ..... | 61.9 |
| Seventh..... | 1,447,769 | 1,039,359 | .841 | ..... | 701,916 | .285 | ..... | 33.9 |
| The State—1896..... | \$15,809,736 | \$12,565,334 | \$0.899 | \$0.611 | 9,371,582 | \$0.530 | \$0.272 | 58.9 |
| " " 1895..... | 14,239,157 | 13,090,836 | 0.932 | .578 | 7,868,006 | .573 | .229 | 61.4 |
| " " 1894..... | 15,282,111 | 13,998,588 | 1.009 | .501 | 7,368,850 | .671 | .131 | 66.5 |
| " " 1893..... | 17,827,595 | 16,517,960 | 1.025 | .485 | 6,061,413 | .714 | .088 | 69.7 |
| " " 1892..... | 16,248,645 | 15,158,430 | 1.029 | .481 | 7,353,831 | .719 | .083 | 69.8 |
| " " 1891..... | 14,237,094 | 13,068,854 | 1.008 | .502 | 6,694,004 | .715 | .087 | 70.9 |
| " " 1890..... | ..... | 12,882,936 | 1.019 | .491 | 9,056,109 | .683 | .119 | 67.0 |
| " " 1889..... | ..... | 12,496,885 | 1.078 | .432 | 9,251,250 | .731 | .071 | 67.9 |
| " " 1888..... | ..... | 13,312,376 | 1.123 | .387 | 9,611,978 | .717 | .085 | 63.9 |
| " " 1887..... | ..... | 11,153,596 | 1.085 | .425 | 10,278,890 | .727 | .075 | 67.0 |
| " " 1886..... | ..... | 10,171,078 | 1.10 | .41 | 9,246,435 | .676 | .126 | 61.5 |
| " " 1885..... | ..... | 11,456,493 | 1.17 | .34 | 9,791,874 | .725 | .077 | 62.0 |
| " " 1884..... | ..... | 12,727,266 | 1.26 | .25 | 10,101,005 | .783 | .019 | 62.1 |
| " " 1883..... | ..... | 14,845,867 | 1.48 | .03 | 10,030,991 | .802 | ..... | 54.2 |
| " " 1882..... | ..... | 13,764,636 | 1.51 | ..... | ..... | ..... | ..... | ..... |

EMPLOYEES AND DAYS OF OPERATION.

Table XII gives the total number of employes in the whole 901 mines of the State. Table XIII deals with shipping mines exclusively, and gives a comprehensive view of the activity and productivity of this class of mines and the number and proportion of men employed in them, as well as the average number of days' employment afforded each man.

TABLE XII—Total number of employes, all mines.

| DISTRICTS. | NUMBER OF EMPLOYES UNDER GROUND. | | | NUMBER OF EMPLOYES ABOVE GROUND. | | | ALL EMPLOYES IN AND ABOUT MINES. | | | Boys under 16 years of age employed under ground (included in foregoing). |
|----------------|----------------------------------|---------|-------------------|----------------------------------|---------|-------------------|----------------------------------|---------|-------------------|---|
| | Winter. | Summer. | Average for year. | Winter. | Summer. | Average for year. | Winter. | Summer. | Average for year. | |
| First..... | 8,826 | 7,353 | 8,089.5 | 554 | 523 | 538.5 | 9,380 | 7,876 | 8,628 | 242 |
| Second..... | 6,493 | 4,648 | 6,070.5 | 610 | 508 | 559.0 | 7,103 | 5,156 | 6,129 | 230 |
| Third..... | 1,959 | 1,116 | 1,537.5 | 175 | 125 | 150.0 | 2,134 | 1,241 | 1,687 | 53 |
| Fourth..... | 3,871 | 2,834 | 3,352.5 | 596 | 554 | 575.0 | 4,467 | 3,388 | 3,927 | 117 |
| Fifth..... | 5,131 | 3,943 | 4,537.0 | 627 | 576 | 601.5 | 5,758 | 4,519 | 5,138 | 121 |
| Sixth..... | 3,839 | 3,218 | 3,528.5 | 535 | 502 | 518.5 | 4,374 | 3,720 | 4,047 | 70 |
| Seventh..... | 3,346 | 2,734 | 3,040.0 | 470 | 442 | 456.0 | 3,816 | 3,176 | 3,496 | 78 |
| The State..... | 33,465 | 25,846 | 29,656.0 | 3,567 | 3,230 | 3,399.0 | 37,032 | 29,076 | 33,054 | 911 |

TABLE XIII—Shipping Mines. Product and days of operation. Employes and days of employment.

| DISTRICTS. | | Number of mines. | Average number tons of coal, all grades, per mine. | Average tons lump coal per mine. | Average tons other grades per mine. | Average number of days' active operation of mines. | Total number of men employed. | Per cent. of employes in shipping mines to total number employed in all mines. | Average number of men to each mine. | Average number of days' employment per man. |
|----------------|---|------------------|--|----------------------------------|-------------------------------------|--|-------------------------------|--|-------------------------------------|---|
| First..... | | 38 | 76,833 | 64,549 | 12,021 | 166 | 8,279 | 88.2 | 218 | 162 |
| Second..... | * | 46 | 50,854 | 39,874 | 10,981 | 198 | 3,405 | 47.7 | 117 | 199 |
| Third..... | † | 27 | 17,740 | 14,132 | 3,608 | 157 | 1,128 | 52.8 | 42 | 159 |
| Fourth..... | | 40 | 66,658 | 35,834 | 30,824 | 210 | 3,043 | 68.1 | 90 | 236 |
| Fifth..... | | 50 | 93,021 | 63,337 | 29,784 | 197 | 5,053 | 87.7 | 101 | 203 |
| Sixth..... | ‡ | 72 | 49,024 | 37,351 | 11,673 | 196 | 4,091 | 93.5 | 57 | 205 |
| Seventh..... | § | 49 | 40,992 | 25,693 | 15,301 | 164 | 3,186 | 83.4 | 65 | 173 |
| The State..... | ¶ | 322 | 57,719 | 41,066 | 16,653 | 186 | 28,185 | 76.1 | 95 | 191 |

* Three mines make defective reports and are not included.

† One mine makes defective report and is not included.

‡ Two mines make defective reports and are not included.

§ Two mines make defective reports and are not included.

* Eight mines not included. Real total is 330.

WAGES, FREQUENCY OF PAYMENT.

One source of frequent disagreement between the operators and men, in the past, has been the question of time of payment. The men have, as a rule, contended for weekly payments, while the operators have found it convenient to establish semi-monthly or monthly pay-days.

Tables XIV and XV review this phase of the question and indicate that, in the large mines, the operators are generally able to arrange this matter in conformity to their own interests.

A comparison of the per cent. of the whole number of men employed in any class with the per cent. of total output will afford a very fair idea of the comparative effectiveness of labor in that class. For instance, the weekly paying class employs about 8 per cent. of the whole number of men, but produces only a little over 5 per cent. of the total output, while the monthly paying class, employing 17 per cent of all the men, yields more than 21 per cent of the total tonnage of the State. In other words, whenever, either on account of natural advantages or economical methods, the amount of labor entering into product is diminished, the independence of the laborer is reduced and the power of the employer increased in the same degree.

TABLE XIV.—*Classification of mines according to frequency of payment, numbers and product.*

| DISTRICTS. | WAGES PAID WEEKLY. | | | | WAGES PAID SEMI-MONTHLY. | | | | WAGES PAID MONTHLY. | | | |
|-----------------|--------------------|------------------|---------------------------|---|--------------------------|------------------|---------------------------|---|---------------------|------------------|---------------------------|---|
| | Number of men. | Number of mines. | Total tons of coal mined. | Average number of running days per mine | Number of men. | Number of mines. | Total tons of coal mined. | Average number of running days per mine | Number of men. | Number of mines. | Total tons of coal mined. | Average number of running days per mine |
| First..... | 310 | 36 | 121,570 | 150 | 7,962 | 40 | 2,748,212 | 159 | 458 | 10 | 164,446 | 179 |
| Second..... | *382 | 78 | 93,230 | 143 | 4,601 | 89 | 2,137,128 | 171 | 1,086 | 24 | 390,021 | 196 |
| Third..... | †507 | 182 | 110,036 | 165 | 898 | 19 | 423,165 | 187 | 182 | 8 | 90,235 | 165 |
| Fourth..... | ‡822 | 34 | 453,885 | 188 | 3,078 | 58 | 2,339,995 | 191 | 22 | 6 | 9,062 | 91 |
| Fifth..... | §58 | 12 | 11,655 | 92 | 3,940 | 41 | 3,419,176 | 201 | 1,154 | 12 | 1,247,769 | 211 |
| Sixth..... | \|\|199 | 21 | 80,923 | 192 | 1,678 | 41 | 1,472,741 | 204 | 1,142 | 23 | 1,086,312 | 200 |
| Seventh..... | \|\|187 | 38 | 80,924 | 133 | 1,169 | 24 | 874,253 | 175 | 1,475 | 21 | 878,995 | 152 |
| The State, 1896 | 12,465 | 401 | 952,278 | 155 | 23,325 | 303 | 13,419,670 | 183 | 5,519 | 104 | 3,866,840 | 180 |
| " " 1895 | 2,486 | 262 | 740,755 | 151 | 30,509 | 479 | 13,037,204 | 162 | 5,940 | 99 | 3,751,670 | 180 |
| " " 1894 | 4,489 | 348 | 1,651,629 | 152 | 25,592 | 376 | 11,485,471 | 175 | 8,351 | 90 | 3,965,512 | 168 |
| " " 1893 | 9,756 | 516 | 5,234,955 | 175 | 19,781 | 194 | 10,043,875 | 221 | 5,820 | 62 | 4,667,754 | 220 |

* Four mines—no report.

† One mine—no report.

‡ Nineteen mines omitted.

§ Seventeen mines omitted.

|| Forty-three mines omitted.

* Eighty-four mines in State not included.

TABLE XV.—*Classification of mines according to frequency of payment.—Percentages.*

| DISTRICTS. | WAGES PAID WEEKLY. | | | | | WAGES PAID SEMI-MONTHLY. | | | | | WAGES PAID MONTHLY. | | | | |
|--------------------|-----------------------------------|------------------------------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------------------|--------------------------|--------------------------------|---------------------------------|
| | Per cent. of whole number of men. | Per cent. of whole number of mines | Per cent. total out-put. | Average number of men per mine | Average number of tons per mine | Per cent. of whole number of men. | Per cent. of whole number of mines | Per cent. total out-put. | Average number of men per mine | Average number of tons per mine | Per cent. of whole number of men. | Per cent. of whole number of mines | Per cent. total out-put. | Average number of men per mine | Average number of tons per mine |
| First..... | 3.5 | 41.8 | 4 | 9 | 3,377 | 91.2 | 46.5 | 90.6 | 200 | 68,705 | 5.3 | 11.7 | 5.4 | 46 | 16,445 |
| Second..... | 6.2 | 42.9 | 3.5 | 5 | 1,196 | 75.8 | 43.9 | 81.5 | 58 | 27,164 | 18 | 13.2 | 15 | 45 | 16,251 |
| Third..... | 31.9 | 87 | 17.6 | 3 | 605 | 56.6 | 9 | 68 | 47 | 22,535 | 11.5 | 3.8 | 14.4 | 23 | 11,279 |
| Fourth..... | 20.9 | 34.7 | 16.2 | 25 | 13,350 | 78.5 | 59.1 | 83.4 | 53 | 40,344 | .6 | 6.2 | 4.3 | 4 | 1,510 |
| Fifth..... | 1.1 | 18.5 | 2.4 | 5 | 971 | 76.5 | 63 | 72.8 | 96 | 83,394 | 22.4 | 18.5 | 24.8 | 96 | 103,981 |
| Sixth..... | 6.4 | 24.8 | 3.1 | 10 | 3,854 | 55.7 | 48.2 | 55.8 | 41 | 35,921 | 37.9 | 27 | 41.1 | 50 | 47,231 |
| Seventh..... | 6.7 | 45.9 | 4.4 | 5 | 2,130 | 40.9 | 28.8 | 47.7 | 49 | 36,427 | 52.4 | 25.3 | 47.9 | 70 | 41,875 |
| The State, 1896... | 7.8 | 49.6 | 5.3 | 6 | 2,375 | 74.6 | 37.5 | 73.5 | 77 | 44,289 | 17.6 | 12.8 | 21.2 | 53 | 37,181 |
| " " 1895... | 6.5 | 31 | 4.2 | 10 | 2,838 | 78.3 | 57 | 74.4 | 64 | 27,332 | 15.2 | 12 | 21.4 | 60 | 37,896 |
| " " 1894... | 11.7 | 43 | 9.7 | 13 | 4,746 | 66.6 | 46 | 67.2 | 68 | 30,546 | 21.7 | 11 | 23.1 | 93 | 44,061 |
| " " 1893... | 27.6 | 67 | 26.2 | 19 | 10,145 | 56 | 25 | 50.4 | 102 | 51,772 | 16.4 | 8 | 23.4 | 94 | 75,286 |

EARNINGS OF MINERS.

Tables XVI and XVII give the result of an attempt to arrive at some definite knowledge of the actual earnings of the men employed in mining coal. In previous reports no attempt has been made to go deeper into this subject than to determine the average price paid per ton for hand mining. This, while of value and interest as indicating the amount of labor cost entering into the product of the mines, was yet of very little assistance in arriving at any conclusions relative to the actual income of the miners. Table XVI gives the result of the investigation among the miners who are paid by the ton. In order that the investigation might be complete and the results reliable, only those men and mines are considered for which the necessary data has been fully and clearly reported; but a large enough proportion of the product, employes and important mines are included to allow the law of average to work.

Table XVII relates to men who are paid by the day, and while the mass of facts used as a basis for these calculations is not as great as in Table XVI, they are sufficiently complete to warrant the acceptance of the results as practically correct. The close agreement of the results of these two investigations is a further confirmation of the correctness of conclusions reached.

There is one matter in connection with the question of the number of days' employment which deserves some mention. This is the fact that the number of days of actual employment for each man is based upon the reported number of running days of the mines. There is no other way in which the amount of employment can be determined, but as a matter of fact, this is not a fair criterion. There are many days during the year in which work is nominally suspended and the mine is shut down, but the miners are in their rooms, setting props, getting their coal in readiness, and in other ways preparing for the time when the mine shall again be in active operation. These days cannot be accounted for, and cannot be taken into consideration in finding the average amount earned daily while working. Then, too, the miner is dependent entirely upon that one industry for his livelihood. In most cases he is isolated from all opportunity of employment at any other calling, and in addition to this, even in times of idleness, he must hold himself in constant readiness to go down into the pit when the work starts up. Whether working or idle the expenses of the miner are continuous, and the fairest way in which to determine the remuneration for his labor is to find his average annual income and the average income for every day in the year. This will be found in the last two columns of both tables.

TABLE XVII—*An analysis of the earnings of miners, where mining is paid for by the ton.*

| DISTRICTS. | Total number of men. | Number of mines. | Average number of men to each mine. | Average number of days' employment to each man. | Total product—all grades of coal. | Per cent. of total on which miners receive pay. | Average number of tons per day for each man. | Average price per ton paid for mining. | Total earnings. | Average amount earned each day while working. | Average yearly income. | Average daily income. |
|--------------|----------------------|------------------|-------------------------------------|---|-----------------------------------|---|--|--|-----------------|---|------------------------|-----------------------|
| First..... | 5,898 | 28 | 211 | 157 | 2,510,149 | 91 | 2.70 | \$0.703 | \$1,765,338 | \$1 90 | \$299 29 | \$0.819 |
| Second..... | 4,463 | 44 | 101 | 197 | 2,372,958 | 89 | 2.69 | .625 | 1,483,184 | 1 68 | 332 33 | .910 |
| Third..... | 915 | 27 | 34 | 157 | 498,436 | 80 | 3.04 | .515 | 256,515 | 1 78 | 280 34 | .768 |
| Fourth..... | 1,630 | 30 | 54 | 211 | 1,457,413 | 95 | 4.22 | .362 | 528,509 | 1 53 | 324 22 | .888 |
| Fifth..... | 2,170 | 30 | 72 | 194 | 2,389,839 | 89 | 5.69 | .348 | 833,150 | 1 97 | 383 91 | 1.051 |
| Sixth..... | 696 | 21 | 33 | 191 | 589,550 | 97 | 4.44 | .387 | 229,434 | 1 72 | 329 65 | .903 |
| Seventh..... | 853 | 25 | 34 | 149 | 701,916 | 68 | 5.53 | .285 | 200,462 | 1 58 | 235 01 | .643 |
| The State. | 16,625 | 205 | 81 | 179 | 9,371,582 | 89 | 3.53 | .530 | \$5,296,592 | \$1 77 | \$318 65 | .873 |

TABLE XVII—*An analysis of the earnings of miners, where work is paid for by the day.*

| DISTRICTS. | Total number of men. | Total number of mines. | Average number of men to each mine. | Average number of days employment to each mine. | Total wages. | Average daily wages while employed. | Average annual income. | Average daily income. |
|----------------|----------------------|------------------------|-------------------------------------|---|--------------|-------------------------------------|------------------------|-----------------------|
| First..... | 823 | 27 | 30 | 158 | \$245,497 | \$1 89 | \$298 62 | \$0.818 |
| Second..... | 550 | 36 | 15 | 188 | 180,367 | 1 74 | 327 12 | .896 |
| Third..... | 80 | 5 | 16 | 134 | 20,069 | 1 86 | 249 34 | .682 |
| Fourth..... | 381 | 29 | 13 | 163 | 107,591 | 1 72 | 282 38 | .773 |
| Fifth..... | 108 | 13 | 8 | 181 | 34,965 | 1 79 | 323 99 | .887 |
| Sixth..... | 531 | 48 | 11 | 232 | 203,479 | 1 73 | 383 23 | 1.049 |
| Seventh..... | 411 | 33 | 12 | 167 | 112,454 | 1 63 | 273 61 | .749 |
| The State..... | 2,884 | 191 | 15 | 177 | \$904,412 | \$1 76 | \$313 59 | \$0.859 |

PHYSICAL CHARACTER OF MINES.

A very complete review of the physical characteristics of the coal mines will be found in Tables XVIII and XIX.

TABLE XVIII—*Physical characteristics of mines.*

| DISTRICTS. | Number of mines. | *KINDS OF OPENINGS. | | | †KINDS OF POWER USED. | | | ‡HAND OR MACHINE MINE. | | †METHODS OF WORKING COAL. | | | ¶SYSTEM OF UNDERGROUND HAULAGE. | | |
|----------------|------------------|---------------------|--------|--------|-----------------------|--------|-------|------------------------|----------|---------------------------|------------------|-------------------------|---------------------------------|--------|-----|
| | | Drift. | Slope. | Shaft. | Steam. | Horse. | Hand. | Hand. | Machine. | Long Wall. | Pillar and Room. | | Hand. | Horse. | |
| | | | | | | | | | | Undercut. | Undercut. | Blasted from the solid. | | | |
| First..... | 86 | 8 | 10 | 68 | 42 | 34 | 10 | | 84 | ..... | 26 | 55 | 5 | 45 | 39 |
| Second..... | 186 | 50 | 50 | 86 | 63 | 86 | 37 | | 185 | 1 | 12 | 90 | 81 | 119 | 59 |
| Third..... | 210 | 109 | 35 | 66 | 27 | 67 | 116 | | 210 | ..... | 1 | 143 | 66 | 185 | 21 |
| Fourth..... | 98 | 30 | 5 | 56 | 41 | 43 | 7 | | 95 | 2 | 12 | 9 | 75 | 30 | 65 |
| Fifth..... | 93 | 14 | 25 | 45 | 55 | 14 | 2 | | 73 | 10 | 3 | 44 | 37 | 1 | 46 |
| Sixth..... | 102 | 2 | 6 | 94 | 81 | 21 | ..... |  | 86 | 14 | ..... | 41 | 50 | 18 | 84 |
| Seventh..... | 126 | 28 | 21 | 67 | 61 | 54 | 8 | | 118 | 3 | ..... | 36 | 78 | 29 | 84 |
| The State. . . | 901 | 241 | 152 | 482 | 370 | 319 | 180 | | 851 | 30 | 54 | 418 | 392 | 427 | 398 |

* Twenty-six mines omitted—full information not given.

† Thirty-two mines omit in report kind of power used.

‡ Twenty mines either do not report or operate by both hand and machine.

§ Thirty-seven do not report method of working coal, or combine both methods.

¶ Seventy-six mines do not report system of underground haulage, or use different system.

TABLE XIX—*Ventilation.*

| DISTRICTS. | Total number of mines. | SYSTEM OF VENTILATION. | | | | | | | |
|---------------------|------------------------|------------------------|-----------------------------|------------------------|-----------------------------|------------------------|-----------------------------|------------------------|-----------------------------|
| | | FAN. | | FURNACE. | | STEAM JET. | | NATURAL. | |
| | | of Number mines. | Average num- ber of men. | of Number mines. | Average num- ber of men. | of Number mines. | Average num- ber of men. | of Number mines. | Average num- ber of men. |
| First..... | 86 | 36 | 224 | 22 | 7 | 7 | 15 | 21 | 7 |
| Second..... | *182 | 45 | 111 | 47 | 12 | 8 | 14 | 82 | 3 |
| Third..... | 210 | 22 | 48 | 39 | 5 | 1 | 3 | 148 | 1 |
| Fourth..... | 98 | 34 | 89 | 44 | 8 | 2 | 16 | 18 | 14 |
| Fifth..... | †84 | 56 | 92 | 4 | 6 | ..... | ..... | 24 | 3 |
| Sixth..... | ‡100 | 73 | 48 | 14 | 2 | 2 | 14 | 11 | 3 |
| Seventh..... | ‡115 | 45 | 46 | 13 | 32 | 3 | 18 | 54 | 4 |
| The State—1896..... | 875 | 311 | 91 | 183 | 10 | 23 | 15 | 358 | 4 |
| “ “ 1895..... | 859 | 291 | 114 | 256 | 13 | 32 | 19 | 225 | 4 |
| “ “ 1894..... | 822 | 296 | 113 | 176 | 15 | 21 | 29 | 301 | 5 |
| “ “ 1893..... | 746 | 286 | 106 | 189 | 16 | 20 | 24 | 251 | 6 |

* Four mines—no report.

† Nine mines—no report.

‡ Two mines—no report.

§ Three mines—no report. Eight mines, surface mines, not included.

MINING MACHINES.

There were fifteen less mining machines used in all the mines of the State in 1896 than in 1895. There were two less mines classed as exclusively machine mines. This class operated thirty-five less machines than in 1895, and yet produced 174,291 more tons of coal. Of the mines in which machines were used, but not exclusively, there were in 1896 twelve, four more than in 1895, operating twenty more machines and producing 165,683 more tons of coal, making a total of 339,974 more tons of coal produced in 1896 by 307 machines than by the 322 in use in 1895.

The name of company, location of mine, tonnage, number of machines, men and working days of the mines in which machines are used, is given in Tables XX and XXI.

TABLE XX—*Mines where coal is mined exclusively by machines.*

| Number. | NAME OF COMPANY. | Location of Mine. | County. | District. | Number of machines. | Number of men. | Total product, all grades. | Lump coal. | Average working days. |
|------------------|--|-------------------|-----------------|------------------|---------------------|----------------|----------------------------|------------|-----------------------|
| 1 | Madison Coal Company, No. 5. | Mt. Olive..... | Macoupin..... | 5 | 13 | 213 | 316,550 | 236,119 | 232 |
| 2 | Consolidated Coal Company of St. Louis, No. 8. | "..... | "..... | 5 | 18 | 199 | 308,234 | 211,432 | 245 |
| 3 | Consolidated Coal Company of St. Louis, No. 10. | "..... | "..... | 5 | 11 | 208 | 290,318 | 197,546 | 244 |
| 4 | Madison Coal Company, No. 2. | Glen Carbon..... | Macoupin..... | 6 | 14 | 221 | 274,629 | 200,978 | 203 |
| 5 | Consolidated Coal Company of St. Louis, No. 6. | Staunton..... | Macoupin..... | 5 | 15 | 244 | 214,765 | 149,109 | 147 |
| 6 | Taylorville Coal Company. | Taylorville..... | Christian..... | 5 | 11 | 160 | 211,710 | 99,327 | 230 |
| 7 | Big Muddy Coal and Iron Company, No. 5. | Murphysboro..... | Jackson..... | 7 | 10 | 244 | 174,629 | 97,231 | 208 |
| 8 | Westville Coal Company. | Westville..... | Vernilion..... | 4 | 5 | 145 | 151,300 | 133,144 | 245 |
| 9 | Consolidated Coal Company, No. 3. | Collinsville..... | Madison..... | 6 | 9 | 139 | 149,537 | 117,054 | 202 |
| 10 | Consolidated Coal Company, Heintz Bluff. | Staunton..... | Macoupin..... | 5 | 12 | 117 | 126,935 | 96,108 | 228 |
| 11 | Consolidated Coal Company of St. Louis, No. 7. | Gillespie..... | Macoupin..... | 5 | 11 | 137 | 111,190 | 78,577 | 195 |
| 12 | Consolidated Coal Company of St. Louis, "Gillespie" | Glenburn..... | Vernilion..... | 4 | 13 | 169 | 110,801 | 182,191 | 270 |
| 13 | Glenburn Coal Company. | Murphysboro..... | Jackson..... | 7 | 10 | 162 | 100,515 | 55,561 | 157 |
| 14 | Big Muddy Coal and Iron Company. | Glen Carbon..... | Madison..... | 6 | 10 | 149 | 100,362 | 40,945 | 158 |
| 15 | Madison Coal Company, No. 4. | Girard..... | Macoupin..... | 5 | 8 | 99 | 94,068 | 73,446 | 230 |
| 16 | Girard Coal Company. | Hornsby..... | Macoupin..... | 5 | 7 | 83 | 91,045 | 62,245 | 237 |
| 17 | Consolidated Coal Company of St. Louis, "Clyde." | Trenton..... | Clinton..... | 6 | 16 | 135 | 88,104 | 62,961 | 171 |
| 18 | Consolidated Coal Company. | Murphysboro..... | Jackson..... | 6 | 6 | 101 | 79,313 | 50,939 | 163 |
| 19 | Big Muddy Coal and Iron Company. | Edwardsville..... | Madison..... | 7 | 5 | 80 | 64,808 | 52,711 | 225 |
| 20 | Madison Coal Company, No. 3. | Lebanon..... | Madison..... | 6 | 8 | 62 | 50,520 | 37,890 | 175 |
| 21 | Lebanon Coal and Machine Association, "Bennett's." | Troy..... | St. Clair..... | 6 | 6 | 60 | 44,448 | 29,943 | 154 |
| 22 | Consolidated Coal Company, "Troy Mine." | Belleville..... | Madison..... | 6 | 6 | 75 | 41,759 | 32,246 | 204 |
| 23 | Consolidated Coal Company, Gartside, No. 4. | Lenz Station..... | St. Clair..... | 6 | 3 | 31 | 34,937 | 31,599 | 220 |
| 24 | Oakland Coal Company. | Belleville..... | "..... | 6 | 3 | 27 | 31,001 | 24,733 | 209 |
| 25 | Consolidated Coal Company of St. Louis, "Schuerman." | "..... | "..... | 6 | 3 | 32 | 28,640 | 22,711 | 215 |
| 26 | Consolidated Coal Company, "Green Mount." | "..... | "..... | 6 | 2 | 29 | 26,487 | 22,692 | 171 |
| 27 | Consolidated Coal Company, "Knecht." | Reed City..... | Peoria..... | 2 | 3 | 35 | 19,769 | 19,769 | 137 |
| 28 | Peoria Coal and Mining Company. | Belleville..... | St. Clair..... | 6 | 4 | 75 | 16,463 | 13,576 | 171 |
| 29 | Consolidated Coal Company, "Rose Hill." | Bunker Hill..... | Macoupin..... | 6 | 2 | 22 | 16,463 | 13,576 | 171 |
| 30 | Wm. Neil Coal Company. | "..... | Macoupin..... | 5 | 1 | 12 | 4,167 | 3,549 | 200 |
| Totals—30 mines. | | 20 towns..... | 8 counties..... | 5 districts..... | 248 | 3,514 | 3,468,330 | 2,503,739 | 203 |

TABLE XXI—*Mines in which machines are used, but not exclusively.*

| NAME OF COMPANY. | Location. | County. | PRODUCT OF MINES. | | | Number of machines | Number of men employed on machines | Number of working days per mine. |
|------------------------------------|-----------------|---------------|-------------------|-------------------------------|----------------------|--------------------|------------------------------------|----------------------------------|
| | | | District. | Total tons mined, all grades. | Tons cut by machine. | | | |
| Gardner & Wilmington..... | Clark City.... | Kankakee... | 1 | 71,769 | 21,151 | 9 | ... | 117 |
| M. & H. Zinc Co..... | LaSalle..... | LaSalle..... | 1 | 56,920 | 1,460 | 8 | 24 | 195 |
| Athens Mining Co..... | Athens..... | Menard..... | 4 | 88,883 | 60,101 | 8 | 76 | 164 |
| Pawnee Coal Co..... | Westville.... | Vermilion.. | 4 | 342,982 | 148,579 | 9 | 48 | 279 |
| Moweaqua Coal and Mfg Co..... | Moweaqua.... | Shelby..... | 5 | 27,866 | 12,000 | 3 | 27 | 200 |
| Sorento Prospecting and Mining Co | Sorento..... | Bond..... | 6 | 68,669 | 13,874 | 6 | 36 | 173 |
| Glendale Coal Co..... | Belleville.... | St. Clair.... | 6 | 64,500 | 21,500 | 5 | 36 | 215 |
| Willis Coal and M. Co..... | Willisville.... | Perry..... | 7 | 36,142 | 12,000 | 4 | 41 | 305 |
| Gartside Coal Co., No. 1..... | Murphysboro. | Jackson.... | 7 | 25,148 | 18,000 | 2 | 15 | 275 |
| " " No. 3..... | " | " | 7 | 38,465 | 36,963 | 3 | 37 | 135 |
| " " No. 4..... | " | " | 7 | 53,095 | 44,395 | 3 | 40 | 200 |
| Pittsburg Plate Glass Coal Co..... | Fredonia..... | Williamson. | 7 | 77,871 | 13,057 | 5 | 3 | 180 |
| The State..... | ..... | ..... | .. | 952,316 | 403,080 | 59 | 383 | 203 |

POWDER, ITS USE, COST, ETC.

Tables XXII and XXIII are a statement of the number of kegs of powder used for blasting purposes in this State, with the tonnage, number of miners, cost, etc.

TABLE XXII.—*Powder used for blasting purposes in hand mines.*

| Districts. | Number of mines. | Number of miners. | Number of tons of coal produced. | Number of kegs of powder used for blasting. | Average cost of powder per keg. | Number of kegs used per man. | Number of tons of coal produced to each keg of powder used. |
|----------------------|------------------|-------------------|----------------------------------|---|---------------------------------|------------------------------|---|
| First | 55 | 5,409 | 1,968,642 | 14,155 | \$1 38 | 2.9 | 139 |
| Second | 105 | 2,607 | 1,363,321 | 46,348 | 1 70 | 17.5 | 27 |
| Third | 70 | 1,290 | 588,072 | 19,837 | 1 58 | 16.2 | 26 |
| Fourth | 87 | 2,199 | 1,794,465 | 51,759 | 1 72 | 19.2 | 35 |
| Fifth | 52 | 3,862 | 2,866,382 | 76,678 | 2 24 | 18.3 | 37 |
| Sixth | 62 | 1,874 | 1,835,461 | 50,461 | 1 42 | 25.0 | 36 |
| Seventh..... | 62 | 1,968 | 1,375,506 | 35,829 | 1 72 | 21.5 | 38 |
| The State, 1896*.... | 493 | 19,209 | 11,791,849 | 295,067 | \$1 75 | 15.0 | 39 |
| “ “ 1895.... | 508 | 17,895 | 10,748,224 | 297,253 | 1 95 | 17.0 | 35 |
| “ “ 1894.... | 275 | 13,304 | 7,599,497 | 204,503 | 2 04 | 15.3 | 37 |
| “ “ 1893.... | 310 | 17,732 | 10,607,847 | 291,708 | 1 98 | 16.0 | 36 |
| “ “ 1892.... | 320 | 17,635 | 9,881,659 | 250,327 | ..... | 14.2 | 39 |
| “ “ 1891.... | 424 | 14,283 | 9,026,083 | 224,226 | ..... | 15.7 | 40 |
| “ “ 1890.... | 436 | 13,240 | 7,315,157 | 201,285 | ..... | 15.2 | 36 |
| “ “ 1889.... | 461 | 10,999 | 6,051,149 | 169,332 | ..... | 15.4 | 35 |
| “ “ 1888.... | 415 | 10,205 | 5,972,796 | 159,908 | ..... | 15.7 | 37 |

* The total number of kegs of powder used in all mines and for all purposes during 1896, was 369,505. Of this number, 51,230 kegs were not considered in compiling this, nor the following table, either because of insufficient data or because it was used for purposes other than blasting coal.

TABLE XXIII.—*Powder used for blasting purposes in machine mines.*

| Districts. | Number of mines. | Number of miners. | Total tons of coal produced. | Total number of kegs of powder used. | Average cost per keg. | Number of kegs per man. | Number of tons per keg. |
|---------------------|------------------|-------------------|------------------------------|--------------------------------------|-----------------------|-------------------------|-------------------------|
| First ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Second | 1 | 68 | 19,769 | 197 | \$1 80 | 3 | 101 |
| Third ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fourth | 2 | 239 | 283,791 | 4,040 | 1 40 | 70 | 16 |
| Fifth | 8 | 759 | 749,840 | 7,059 | 1 49 | 6 | 106 |
| Sixth | 14 | 931 | 1,059,889 | 9,046 | 1 22 | 10 | 116 |
| Seventh..... | 3 | 56 | 354,457 | 2,866 | 1 40 | 51 | 123 |
| The State, 1896.... | 28 | 2,053 | 2,466,746 | 23,208 | \$1 33 | 11 | 105 |
| “ “ 1895.... | 30 | 3,201 | 3,196,742 | 25,890 | ..... | ..... | 113 |
| “ “ 1894.... | 36 | 3,378 | 3,255,574 | 33,060 | ..... | ..... | 98 |
| “ “ 1893.... | 37 | 4,091 | 4,375,626 | 49,707 | ..... | ..... | 88 |
| “ “ 1892.... | 34 | 3,439 | 3,664,590 | 38,447 | ..... | ..... | 95 |
| “ “ 1891.... | 27 | 2,789 | 2,798,207 | 28,525 | ..... | ..... | 98 |
| “ “ 1890.... | 25 | 2,733 | 2,654,150 | 32,454 | ..... | ..... | 81 |
| “ “ 1889.... | 24 | 2,763 | 1,956,333 | 19,109 | ..... | ..... | 102 |
| “ “ 1888.... | 25 | 2,552 | 1,916,091 | 19,725 | ..... | ..... | 97 |

FATAL ACCIDENTS.

Something has been said of the increase of the number of fatalities. Detailed information regarding this subject will be found in the following tables. Table XXIV locates the accidents by districts and counties and gives the number of men employed and number of tons of coal produced to each man killed, in every instance.

TABLE XXIV—*Fatal accidents—by mines, counties and districts.*

| NAME OF COMPANY. | Location. | Counties. | Number of men killed. | Number of men employed. | Total tons of coal produced. | Number of men employed to one man killed. | Number of tons of coal produced to one man killed. |
|--|------------------|-----------------|-----------------------|-------------------------|------------------------------|---|--|
| Chicago, Milwaukee & St. Paul, No 4..... | Braceville..... | Grundy..... | 1 | 640 | 340,598 | 640 | 340,598 |
| Wilmington Star Mining Co..... | Coal City..... | "..... | 1 | 99 | 28,595 | 99 | 28,595 |
| Star Coal Co., No. 1..... | Carbon Hill..... | "..... | 1 | 302 | 78,503 | 302 | 78,503 |
| C. W. & V. Coal Co., R..... | Braidwood..... | "..... | 2 | 126 | 5,291 | 63 | 2,645 |
| Wilmington Mfg., Coal and Mining Co., No. 4..... | Diamond..... | "..... | 1 | 470 | 157,372 | 470 | 157,372 |
| Big Four Wilmington Coal Co., "Maria"..... | Coal City..... | "..... | 2 | 418 | 164,382 | 209 | 82,191 |
| James Cahill..... | Peru..... | LaSalle..... | 1 | 188 | 73,000 | 188 | 73,000 |
| LaSalle C. C. Co..... | Rockwell..... | "..... | 1 | 232 | 75,470 | 232 | 75,470 |
| "..... | Union..... | "..... | 1 | 331 | 114,594 | 331 | 114,594 |
| Star Coal Co., No. 2..... | Kangley..... | "..... | 1 | 488 | 201,970 | 488 | 201,970 |
| C. W. & V. Coal Co., No. 1..... | Heensaville..... | "..... | 1 | 340 | 169,689 | 340 | 169,689 |
| "..... | Streator..... | "..... | 1 | 382 | 84,858 | 382 | 84,858 |
| Prairie Creek Coal Co..... | "..... | "..... | 1 | 124 | 50,329 | 124 | 50,329 |
| Price & Jones..... | "..... | "..... | 1 | 18 | 6,760 | 18 | 6,760 |
| Emerson Hakes..... | Rutland..... | "..... | 1 | 101 | 47,500 | 101 | 47,500 |
| Barrackman Coal Co..... | Coalville..... | Livingston..... | 1 | 70 | 44,011 | 70 | 44,011 |
| FIRST DISTRICT TOTALS..... | ..... | ..... | 18 | 4,329 | 1,612,922 | 240 | 89,607 |

Table XXIV—Continued.

| NAME OF COMPANY. | Location. | Counties. | Number of men killed. | Number of men employed. | Total tons of coal produced. | Number of men employed to one man killed. | Number of tons of coal produced to one man killed. |
|---|----------------|-------------|-----------------------|-------------------------|------------------------------|---|--|
| Spring Valley Coal Co., Nos. 2 and 4. | Spring Valley. | Bureau | 2 | 657 | 344,168 | 328 | 172,084 |
| Whitebreast Fuel Co., "B". | Ladd | " | 1 | 540 | 242,630 | 540 | 242,630 |
| Marquette Third Vein Coal Co., No. 1. | Marquette | " | 1 | 388 | 176,780 | 388 | 176,780 |
| John Summerson | Blossomburg | " | 1 | 290 | 114,035 | 290 | 114,035 |
| Wenona Coal Co. | Wenona. | Henry | 1 | 5 | 734 | 5 | 734 |
| Sholl Bros., No. 1. | Hollis. | Marshall | 1 | 245 | 63,906 | 245 | 63,906 |
| Isaac Wantling & Son. | Pottstown | Peoria | 1 | 42 | 32,757 | 42 | 32,757 |
| Zadoc Wynn | Coal Valley | Rock Island | 1 | 31 | 6,057 | 31 | 6,057 |
| Chicago and Minonk Coal and Tile Works. | Minonk. | Woodford | 1 | 4 | 1,020 | 4 | 1,020 |
| | | | | 274 | 100,000 | 274 | 100,000 |
| SECOND DISTRICT TOTALS. | | | 11 | 2,446 | 1,082,387 | 222 | 98,399 |
| Whitebreast Fuel Co., "C". | Dunfermline | Fulton | 1 | 261 | 137,614 | 261 | 137,614 |
| Canton Coal Co. | Canton. | " | 2 | 26 | 14,029 | 13 | 7,014 |
| H. Taylor. | Wataga | Knox. | 1 | 14 | 4,000 | 14 | 4,000 |
| THIRD DISTRICT TOTALS | | | 4 | 301 | 155,643 | 75 | 38,911 |
| Chicago and Kansas City Coal Co. | Petersburg | Menard | 1 | 116 | 76,395 | 116 | 76,395 |
| Consolidated Coal Co., No. 4. | Tilton. | Vermillion | 1 | 192 | 146,191 | 192 | 146,191 |
| Muncie Coal Co. | Muncie | " | 1 | 26 | 7,250 | 26 | 7,250 |
| D. P. Wilson. | Grape Creek. | " | 1 | 87 | 68,000 | 87 | 68,000 |
| Delaware Coal Co. | " | " | 1 | 203 | 75,000 | 203 | 75,000 |
| Kelly Coal Co., No. 2. | Westville. | " | 4 | 293 | 309,522 | 73 | 77,380 |
| No. 3. | " | " | 1 | 107 | 25,772 | 107 | 25,772 |
| Pawnee Coal Co. | " | " | 4 | 268 | 342,982 | 67 | 85,745 |
| FOURTH DISTRICT TOTALS. | | | 14 | 1,292 | 1,051,112 | 92 | 75,079 |

| | | | | | | |
|---|-------------------|----------------|---|-----|---------|---------|
| Pana Coal Co., No. 1..... | Pana..... | Christian..... | 1 | 210 | 269,000 | 209,000 |
| Fenwell Coal Co., No. 1..... | Springfield..... | Christian..... | 2 | 254 | 176,492 | 88,246 |
| Sangamon Coal Co..... | Pana..... | Sangamon..... | 1 | 97 | 124,851 | 120,851 |
| Springside Coal Co..... | Springfield..... | Christian..... | 1 | 203 | 101,000 | 101,000 |
| Taylorville Coal Co..... | Taylorville..... | Greene..... | 1 | 160 | 211,710 | 211,710 |
| T. W. Griffiths..... | Roodhouse..... | Macoupin..... | 1 | 8 | 2,000 | 2,000 |
| Consolidated Coal Co., No. 6..... | Staunton..... | Macoupin..... | 1 | 244 | 214,765 | 214,765 |
| Chicago and Virden Coal Co., No. 1..... | Virden..... | Macoupin..... | 1 | 271 | 348,333 | 348,333 |
| Green Ridge Coal Co..... | Girard..... | Macoupin..... | 1 | 95 | 87,925 | 87,925 |
| Chicago and Virden Coal Co., No. 2..... | Auburn..... | Sangamon..... | 1 | 108 | 173,033 | 173,033 |
| Centrall Cooperative Coal Co..... | Centrall..... | Sangamon..... | 1 | 114 | 122,780 | 122,780 |
| Black Diamond C. & T. Co..... | Illes Juneau..... | Sangamon..... | 1 | 74 | 57,000 | 57,000 |
| D. J. Lloyd..... | Pawnee..... | Sangamon..... | 1 | 9 | 2,000 | 2,000 |
| Starne's Coal and Mining Co..... | Springfield..... | Sangamon..... | 1 | 94 | 95,000 | 95,000 |
| S. L. Flanders..... | Shelbyville..... | Shelby..... | 1 | 4 | 80 | 80 |

FIFTH DISTRICT TOTALS..... 16 1,945 1,921,969 122 120,123

| | | | | | | |
|--|------------------|----------------|---|-----|---------|---------|
| Madison Coal Co..... | Glen Carbon..... | Madison..... | 1 | 149 | 100,362 | 100,362 |
| Superior Coal Co..... | Kimmunity..... | Marion..... | 1 | 47 | 32,969 | 32,969 |
| Missouri and Illinois Coal Co., "Rentchler"..... | Rentchler..... | St. Clair..... | 1 | 35 | 55,482 | 55,482 |
| Missouri and Illinois Coal Co., "St. Clair"..... | Freeburg..... | St. Clair..... | 1 | 46 | 60,404 | 60,404 |

SIXTH DISTRICT TOTALS..... 4 276 249,217 69 62,304

| | | | | | | |
|---|-------------------|----------------|---|-----|---------|---------|
| Gartside Coal Co., No. 4..... | Murphysboro..... | Jackson..... | 1 | 57 | 53,095 | 53,095 |
| B. M. C. & C. Co..... | DeSoto..... | Jefferson..... | 1 | 97 | 64,750 | 64,750 |
| Mt. Vernon Coal Co..... | Mt. Vernon..... | Percy..... | 1 | 54 | 10,000 | 10,000 |
| DuQuoin Union Coal Co., "Browning"..... | DuQuoin..... | Percy..... | 1 | 124 | 80,000 | 80,000 |
| Valley and Gulf Coal Co., "Eden" No. 1..... | Sparta..... | Randolph..... | 1 | 76 | 100,000 | 100,000 |
| Counterville Mining Co..... | Counterville..... | Randolph..... | 2 | 59 | 42,700 | 21,350 |
| Little Muddy Coal Co..... | Percy..... | Randolph..... | 1 | 45 | 24,948 | 24,948 |
| Randolph Coke and Coal Co., No. 1..... | Percy..... | Randolph..... | 1 | 39 | 13,984 | 13,984 |
| Randolph Coke and Coal Co., No. 1..... | Percy..... | Randolph..... | 1 | 39 | 16,200 | 16,200 |

SEVENTH DISTRICT TOTALS..... 10 590 405,677 59 40,568

Table XXIV—Concluded.

| NAME OF COMPANY. | Location. | Counties. | Number of men killed.. | Number of men employed. | Total tons of coal produced. | Number of men employed to one man killed. | Number of tons of coal produced to one man killed. |
|------------------------------|-----------|-----------|------------------------|-------------------------|------------------------------|---|--|
| The State, 1896. | | | 77 | 11,179 | 6,478,927 | 145 | 84,142 |
| " 1895. | | | 75 | 10,529 | 5,221,205 | 142 | 70,557 |
| " 1894. | | | 72 | 11,734 | 5,270,632 | 163 | 73,203 |
| " 1893. | | | 69 | 8,948 | 5,221,582 | 130 | 75,672 |
| " 1892. | | | 57 | 13,919 | 8,047,920 | 244 | 141,192 |
| " 1891. | | | 60 | 13,298 | 7,086,723 | 222 | 118,112 |
| Averages for six years. | | | 68 | 11,601 | 6,221,165 | 169 | 91,041 |

Table XXV assembles this information by districts and includes also the number of widows and orphans, carrying the totals for the State through a period of eleven years.

TABLE XXV.—*Fatal Accidents—Eleven Years.*

| DISTRICTS. | NUMBER OF MEN KILLED. | | | Wives made widows. | Children left fatherless. | Total number of employes. | Total number of tons of coal mined—all grades. | Number of employes to each life lost. | Number of tons of coal mined to each life lost. |
|-------------------------|-----------------------|---------|---------|--------------------|---------------------------|---------------------------|--|---------------------------------------|---|
| | Total. | Married | Single. | | | | | | |
| First | 18 | 14 | 4 | 14 | 58 | 9,380 | 3,034,777 | 521.11 | 168,542 |
| Second | 11 | 6 | 5 | 6 | 23 | 7,103 | 2,690,220 | 645.72 | 244,565 |
| Third | 4 | 3 | 1 | 3 | 6 | 2,134 | 628,835 | 533.50 | 157,208 |
| Fourth | 14 | 7 | 7 | 1 | 16 | 4,467 | 2,802,960 | 319.06 | 200,211 |
| Fifth | 16 | 10 | 6 | 8 | 40 | 5,758 | 4,689,980 | 353.62 | 230,624 |
| Sixth | 4 | 1 | 3 | 1 | 2 | 4,374 | 3,776,164 | 1,093.50 | 944,041 |
| Seventh | 10 | 6 | 4 | 5 | 10 | 3,816 | 2,163,690 | 381.60 | 216,369 |
| The State—1896 | 77 | 47 | 30 | 38 | 155 | 37,032 | 19,786,626 | 483.53 | 256,969 |
| “ “ 1895 | 75 | 44 | 31 | 42 | 111 | 38,630 | 17,735,864 | 515.06 | 236,478 |
| “ “ 1894 | 72 | 44 | 28 | 41 | 123 | 38,477 | 17,113,576 | 534.00 | 237,688 |
| “ “ 1893 | 69 | 34 | 35 | 32 | 106 | 35,390 | 19,949,564 | 513.00 | 289,124 |
| “ “ 1892 | 57 | 24 | 33 | 24 | 63 | 33,632 | 17,062,276 | 590.00 | 313,372 |
| “ “ 1891 | 60 | 39 | 21 | 37 | 112 | 32,951 | 15,660,698 | 549.00 | 261,012 |
| “ “ 1890 | 53 | 33 | 20 | 33 | 75 | 28,574 | 15,274,727 | 539.10 | 286,316 |
| “ “ 1889 | 42 | 24 | 18 | 20 | 75 | 30,076 | 14,017,298 | 716.10 | 333,745 |
| “ “ 1888 | 55 | 28 | 27 | 28 | 89 | 29,410 | 14,328,181 | 534.70 | 260,512 |
| “ “ 1887 | 41 | 24 | 17 | 22 | 77 | 26,804 | 12,423,066 | 654.00 | 302,002 |
| “ “ 1886 | 52 | 30 | 22 | 30 | 76 | 25,846 | 11,175,241 | 497.00 | 214,909 |
| Totals—11 years | 653 | 371 | 282 | 347 | 1,062 | 356,822 | 174,527,117 | ..... | ..... |
| Averages—11 years | 59.36 | 33.72 | 25.63 | 31.54 | 96.54 | 32.43 | 15,866.101 | 543.06 | 265,739 |

FATAL ACCIDENTS—BY CAUSES.

Table XXVI gives the fatal accidents by principal causes for 1896, by districts, while Table XXVII gives the same information for the State as a whole for a period of nine years.

TABLE XXVI.—*Fatal Accidents—by Causes—1896.*

| CAUSES. | First District. | Second District. | Third District. | Fourth District. | Fifth District. | Sixth District. | Seventh District. | Totals. | Percentages |
|--------------------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-------------------|---------|-------------|
| Falling roof or sides... | 14 | 4 | 3 | 8 | 3 | 4 | 5 | 41 | 53.25 |
| Blasts, explosions, etc. | 1 | ..... | ..... | 2 | 3 | ..... | 3 | 9 | 11.69 |
| Cages..... | 2 | ..... | ..... | 1 | ..... | ..... | 1 | 6 | 7.79 |
| Falling down shaft..... | ..... | 3 | ..... | 1 | ..... | ..... | ..... | 6 | 7.79 |
| Pit-cars..... | ..... | 2 | 1 | 1 | 1 | ..... | ..... | 5 | 6.49 |
| Gas, fire-damp, etc..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | 2 | 2.60 |
| Other causes..... | 1 | 2 | ..... | 1 | 3 | ..... | 1 | 8 | 10.39 |
| Totals..... | 18 | 11 | 4 | 14 | 16 | 4 | 10 | 77 | 100.00 |

TABLE XXVII.—*Fatal Accidents—by Causes.*

| CAUSES. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. | 1896. | Totals. | Percentages for 9 years. |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------------------------|
| Falling roof or sides.... | 33 | 26 | 36 | 33 | 28 | 48 | 43 | 38 | 41 | 326 | 58.22 |
| Blasts, explosions, etc. | 9 | 3 | 4 | 11 | 4 | 6 | 8 | 12 | 9 | 66 | 11.79 |
| Cages..... | 2 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 6 | 40 | 7.14 |
| Falling down shaft..... | 4 | 2 | ..... | 1 | 8 | 3 | 5 | 4 | 6 | 33 | 5.89 |
| Pit-cars..... | 6 | 5 | 3 | 2 | 6 | 2 | 6 | 5 | 5 | 40 | 7.14 |
| Gas, fire-damp, etc..... | ..... | ..... | 5 | 4 | 2 | 3 | ..... | 5 | 2 | 21 | 3.75 |
| Other causes..... | 1 | 2 | 1 | 5 | 5 | 3 | 2 | 7 | 8 | 34 | 6.07 |
| Totals..... | 55 | 42 | 53 | 60 | 57 | 69 | 72 | 75 | 77 | 560 | 100.00 |

NON-FATAL ACCIDENTS.

The non-fatal accidents have been more numerous in 1896 than in 1895, but the average number of days lost has been slightly less, though the number of dependents was larger.

Table XXVIII gives, in detail, the results of the inquiry into this subject:

TABLE XXVIII.—*Non-fatal accidents, dependents, time lost, etc.*

| Districts. | Total accidents. | Single. | Married. | Children. | Dependents. | Total time lost days. | Average number days lost per man. | Number of men reported as losing time. † |
|----------------|------------------|---------|----------|-----------|-------------|-----------------------|-----------------------------------|---|
| First..... | 215 | 95 | 120 | 345 | 450 | 7,348 | 35.4 | 207 |
| Second..... | 130 | 63 | 67 | 120 | 178 | 2,282 | 25.2 | 90 |
| Third..... | 10 | 5 | 5 | 6 | 11 | 427 | 42.7 | 10 |
| Fourth..... | 60 | 36 | 33 | 75 | 105 | 3,220 | 48.0 | 67 |
| Fifth..... | *98 | 44 | 50 | 128 | 174 | 2,972 | 32.3 | 92 |
| Sixth..... | *91 | 45 | 45 | 93 | 127 | 8,078 | 35.7 | 86 |
| Seventh..... | *59 | 23 | 29 | 105 | 93 | 1,568 | 32.6 | 48 |
| The State..... | 672 | 311 | 348 | 872 | 1,138 | 20,895 | 34.8 | 600 |

* Thirteen men not reported whether married or single.

† Seventy-two men still idle, or "time lost" not reported.

ALL ACCIDENTS.

PER CENT. CAUSED BY FALLING ROOF AND SIDES.

The most prolific source of all accidents is from falling roof and sides. The following table gives the percentages of accidents from this cause, by districts for 1896 and the totals for the State for thirteen years:

TABLE XXIX—*Per cent. of accidents caused by falling sides and roof.*

| Districts. | FATAL ACCIDENTS. | | | | NON-FATAL ACCIDENTS. | | | | ALL CASUALTIES. | | | |
|------------------|------------------|-------------------------|-------------------|---|----------------------|-------------------------|-------------------|---|-----------------|-------------------------|-------------------|---|
| | Total. | Falling roof and sides. | All other causes. | Per cent. caused by falling roof and sides. | Total. | Falling roof and sides. | All other causes. | Per cent. caused by falling roof and sides. | Total. | Falling roof and sides. | All other causes. | Per cent. caused by falling roof and sides. |
| First..... | 18 | 14 | 4 | 77.77 | 215 | 137 | 78 | 63.72 | 233 | 151 | 82 | 69.09 |
| Second..... | 11 | 4 | 7 | 36.36 | 130 | 74 | 56 | 56.92 | 141 | 78 | 63 | 55.31 |
| Third..... | 4 | 3 | 1 | 75.00 | 10 | 4 | 6 | 40.00 | 14 | 7 | 7 | 50.00 |
| Fourth..... | 14 | 8 | 6 | 57.15 | 69 | 43 | 26 | 62.31 | 83 | 51 | 32 | 61.44 |
| Fifth..... | 16 | 3 | 13 | 18.65 | 98 | 46 | 52 | 46.93 | 114 | 49 | 65 | 42.98 |
| Sixth..... | 4 | 4 | ..... | 100.00 | 91 | 37 | 54 | 40.65 | 95 | 41 | 54 | 45.26 |
| Seventh..... | 10 | 5 | 5 | 50.00 | 59 | 32 | 27 | 54.23 | 69 | 37 | 32 | 53.62 |
| The State, 1896. | 77 | 41 | 36 | 57.14 | 672 | 373 | 299 | 55.50 | 749 | 414 | 335 | 55.27 |
| " 1895. | 75 | 38 | 37 | 50.67 | 605 | 338 | 267 | 55.90 | 680 | 376 | 304 | 55.29 |
| " 1894. | 72 | 43 | 29 | 58.30 | 521 | 294 | 227 | 60.10 | 593 | 337 | 256 | 56.82 |
| " 1893. | 69 | 48 | 21 | 69.60 | 403 | 254 | 149 | 63.30 | 472 | 302 | 170 | 63.98 |
| " 1892. | 57 | 28 | 29 | 49.10 | 370 | 234 | 136 | 63.20 | 427 | 262 | 165 | 61.12 |
| " 1891. | 60 | 33 | 27 | 55.00 | 367 | 227 | 140 | 61.90 | 427 | 260 | 167 | 60.88 |
| " 1890. | 53 | 36 | 17 | 67.90 | 294 | 196 | 98 | 66.70 | 347 | 232 | 115 | 66.85 |
| " 1889. | 42 | 26 | 16 | 62.00 | 201 | 129 | 72 | 64.20 | 243 | 155 | 88 | 63.78 |
| " 1888. | 55 | 33 | 22 | 60.00 | 179 | 112 | 67 | 62.60 | 234 | 145 | 89 | 61.53 |
| " 1887. | 41 | 28 | 13 | 68.30 | 180 | 124 | 56 | 68.90 | 221 | 152 | 69 | 68.77 |
| " 1886. | 52 | 32 | 20 | 61.50 | 171 | 109 | 62 | 64.50 | 223 | 141 | 82 | 63.22 |
| " 1885. | 39 | 20 | 19 | 51.30 | 176 | 118 | 58 | 67.00 | 215 | 138 | 77 | 64.18 |
| " 1884. | 46 | 26 | 20 | 56.50 | 197 | 135 | 62 | 68.50 | 243 | 161 | 82 | 66.25 |
| Totals—13 yrs. | 738 | 432 | 306 | 58.53 | 4,336 | 2,643 | 1,693 | 60.95 | 5,074 | 3,075 | 1,999 | 60.60 |

ALL ACCIDENTS, BY OCCUPATIONS.

Table XXX analyzes the accidents by occupation of the injured.

TABLE XXX.

| OCCUPATION. | FATAL ACCIDENTS. | | | | | | | | NON-FATAL ACCIDENTS. | | | | | | | |
|----------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|-------------------|------------|----------------------|------------------|-----------------|------------------|-----------------|-----------------|-------------------|------------|
| | First District. | Second District. | Third District. | Fourth District. | Fifth District. | Sixth District. | Seventh District. | The State. | First District. | Second District. | Third District. | Fourth District. | Fifth District. | Sixth District. | Seventh District. | The State. |
| Miner | 16 | 8 | 3 | 9 | 7 | 1 | 9 | 53 | 166 | 92 | 8 | 51 | 31 | 23 | 35 | 406 |
| Driver | | 1 | 1 | | | | | 3 | 22 | 14 | | 10 | 21 | 22 | 5 | 96 |
| Loader | | | | 2 | 1 | 12 | | 5 | | | | 1 | 13 | 15 | 1 | 30 |
| Laborer | | 2 | | | 1 | | | 3 | 1 | 10 | | | 7 | 2 | | 21 |
| Helper | | | | | | | | | | | | 1 | 9 | 5 | 2 | 17 |
| Cager | | | | | 1 | | 1 | 3 | 3 | 6 | | | | | | 16 |
| Timberman | 1 | | | | | | | | 2 | | | 2 | | 5 | 2 | 12 |
| Roadman | | | | | | | | | 6 | | | | 3 | | | 9 |
| Blaster | | | | | | | | 1 | | | | | | 7 | | 7 |
| Blacksmith | | | | | 1 | | | | 2 | 1 | | | 2 | 1 | | 6 |
| Top man | | | | 1 | 1 | | | 2 | 1 | | | 1 | | 3 | | 5 |
| Fireman | | | | 1 | 1 | | | 1 | 2 | 3 | | | | | | 5 |
| Coal-picker | | | | | | | | | 4 | | | | | | | 4 |
| Trapper | | | | | | | | | 2 | 1 | | | 1 | | | 4 |
| Carpenter | | | | | 1 | | | 1 | | | | | 3 | | | 3 |
| Sinker | | | | | | | | | | 3 | | | | | | 3 |
| Teamster | | | | | | | | | 1 | | | | | 1 | | 2 |
| Engineer | 1 | | | | | | | 1 | | | | | 1 | 1 | | 2 |
| Farmer | | | | | | | | | | | | | | 2 | | 2 |
| Weigher | | | | | | | | | 1 | | | | | 1 | | 2 |
| Section man | | | | | | | | | 2 | | | | | | | 2 |
| Track man | | | | | | | | | | | | | 1 | | 1 | 2 |
| Gripper | | | | | 1 | | | 1 | | | | | 2 | | | 2 |
| R. R. employé | | | | | | | | | | | | | | 1 | | 1 |
| Sulphur picker | | | | | | | | | | | | | | 1 | | 1 |
| Pipe man | | | | | | | | | | | | | | 1 | | 1 |
| Mason | | | | | | | | | | | | | 1 | | | 1 |
| Oiler | | | | | 1 | | | 1 | | | | | 1 | | | 1 |
| Cutter | | | | | | | | | | | | | 1 | | | 1 |
| Mine manage | | | | | 1 | | | 1 | | | | | | | | |
| Machine man | | | | | | 1 | | 1 | | | | | | | | |
| Totals | 18 | 11 | 4 | 14 | 16 | 4 | 10 | 77 | 215 | 130 | 10 | 69 | 98 | 91 | *59 | 672 |

* 8 men included in total in Seventh district occupation not reported.

SUMMARY.

Tables XXXI and XXXII give a brief summary of the information contained in the preceding tables, and completes the consideration of this subject.

TABLE XXXI—*Summary.*

| DISTRICTS. | MINES. | | | | | | | MINERS. | | | | Av. number of running days per mine—shipping mines | Av. number of working days per man. | Number of kegs of powder used. | CASUALTIES | | | |
|----------------|---------------------|-------------------|---------------------------|---------------------------------|---------------------|----------------------------|---|------------------------------------|------------------------------------|-----------------------------|----------------------|--|-------------------------------------|--------------------------------|-------------------|-------------------------------------|--------------------|--|
| | Number of counties. | Number of mines.. | Number of shipping mines. | Number of mines in local trade. | Number of new mines | Number of abandoned mines. | Estimated number of acres worked out during the year. | Average number of miners employed. | Highest number of miners employ'd. | Number of boys underground. | Number of men killed | | | | Number of widows. | Number of children left fatherless. | Number of injured. | |
| First..... | 5 | 86 | 38 | 48 | 14 | 10 | 698.73 | 7,876 | 9,380 | 242 | 166 | 157 | 14,155 | 18 | 14 | 58 | 215 | |
| Second..... | 2 | 186 | 49 | 137 | 13 | 33 | 585.09 | 5,156 | 7,103 | 230 | 198 | 197 | 46,348 | 11 | 6 | 23 | 130 | |
| Third..... | 6 | 210 | 28 | 182 | 31 | 31 | 158.48 | 1,241 | 2,134 | 53 | 157 | 157 | 19,837 | 4 | 3 | 6 | 10 | |
| Fourth..... | 7 | 98 | 40 | 58 | 10 | 7 | 444.54 | 3,388 | 4,467 | 117 | 210 | 211 | 51,759 | 14 | 1 | 16 | 69 | |
| Fifth..... | 10 | 93 | 50 | 43 | 12 | 19 | 681.20 | 4,519 | 5,758 | 121 | 197 | 194 | 76,678 | 16 | 5 | 40 | 98 | |
| Sixth..... | 5 | 102 | 74 | 28 | 10 | 2 | 418.20 | 3,720 | 4,374 | 70 | 196 | 191 | 50,461 | 4 | 1 | 2 | 91 | |
| Seventh..... | 10 | 126 | 51 | 75 | 52 | 7 | 305.65 | 3,176 | 3,816 | 78 | 164 | 149 | 35,829 | 10 | 5 | 10 | 59 | |
| The State..... | 51 | 901 | 330 | 571 | 142 | 115 | 3,292.49 | 29,076 | 37,032 | 911 | 186 | 179 | 295,067 | 77 | 38 | 155 | 672 | |

TABLE XXXII—*Summary.*

| DIS- TRICTS. | Average price paid per ton for hand mining. | PRODUCT. | | | AVERAGE VALUE PER TON OF COAL AT THE MINES. | | AGGREGATE HOME VALUE OF TOTAL PRODUCTS. | | |
|-----------------|---|--|--|--|---|---------------|--|--|--|
| | | Total tons of lump coal— 2,000 lbs. | Total tons of other grades of coal. | Total tons of coal mined, all grades. | Lump coal. | Other grades. | Value of lump coal. | Value of oth- er grades of coal. | Value of total product—all grades. |
| First | \$0.703 | 2,502,586 | 475,072 | 2,977,658 | \$1.061 | \$0.316 | \$2,904,988 | \$150,246 | \$3,055,234 |
| Second .. | .625 | 2,146,567 | 513,653 | 2,690,220 | 1.149 | .536 | 2,568,448 | 291,910 | 2,860,358 |
| Third ... | .515 | 524,661 | 104,184 | 628,845 | 1.014 | .317 | 532,449 | 33,221 | 565,669 |
| Fourth... | .362 | 1,555,783 | 1,247,159 | 2,802,942 | .897 | .588 | 1,396,195 | 734,220 | 2,130,415 |
| Fifth.... | .348 | 3,136,961 | 1,490,029 | 4,626,990 | .739 | .963 | 2,318,854 | 1,435,617 | 3,754,472 |
| Sixth ... | .387 | 2,888,372 | 787,692 | 3,676,064 | .625 | .242 | 1,805,011 | 190,808 | 1,995,819 |
| Seventh, | .285 | 1,235,994 | 893,721 | 2,129,715 | .841 | .457 | 1,039,389 | 408,380 | 1,447,769 |
| State... | .530 | 13,990,924 | 5,541,510 | 19,532,434 | .899 | \$0.585 | \$12,565,334 | \$3,244,402 | \$15,809,736 |

FIRST INSPECTION DISTRICT—1896.

MR. GEORGE A. SCHILLING.

Secretary Bureau of Labor Statistics, Springfield, Ill.:

DEAR SIR:—In accordance with section twelve of "An act providing for the health and safety of persons employed in coal mines," I herewith submit to you the First Annual Coal Report of the First Inspection District (as re-districted by the 39th General Assembly) for the year ending July 1, 1896.

This report contains tabulated statements by counties of the number of mines that are in operation in this district; the number of shipping mines; number of mines in local trade; the number of new and abandoned mines; estimated number of acres of coal worked out during the year, with the total number of persons at each mine; number of tons of lump and other grades of coal; the average value of lump coal, with the average value of other grades at the mine; the aggregate value of the total product; the number of fatal and non-fatal accidents; number of widows and orphans; number of miners employed in the mines summer and winter; number of boys under sixteen years of age employed in the mines; average number of running days; the number of kegs of powder used, and the number of tons of coal mined by machines.

The following summary is for the fiscal year 1896:

| | |
|---|-----------|
| Total number of mines..... | 86 |
| Number of shipping mines..... | 38 |
| Number of local mines..... | 48 |
| Number of new mines..... | 15 |
| Number of abandoned mines..... | 11 |
| Estimated number of acres worked out..... | 588.25 |
| Number of miners employed in winter..... | 7,700 |
| Number of miners employed in summer..... | 6,309 |
| Number of others employed in winter..... | 1,502 |
| Number of others employed in summer..... | 1,277 |
| Number of boys under sixteen years of age..... | 242 |
| Average number of running days..... | 179.8 |
| Number of kegs of powder used..... | 16,876 |
| Number of men injured in non-fatal accidents..... | 215 |
| Number of men killed by injuries received..... | 18 |
| Number of widows..... | 14 |
| Number of orphans..... | 58 |
| Total tons of all grades produced..... | 3,034,778 |
| Total tons of lump coal..... | 2,559,706 |
| Total tons of other grades..... | 475,063 |
| Number of tons produced to each fatal accident..... | 163,043 |
| Number of tons produced to each non-fatal accident..... | 14,115 |
| Average value of lump coal at the mine..... | \$1.117 |
| Number of mining machines in use..... | 11 |
| Tons of coal produced by machines..... | 22,611 |
| Number of men employed at machines..... | 61 |

The following table shows the total production by counties, with the increase or decrease for the years ending July 1, 1895 and 1896:

| Counties. | 1895. | 1896. | Increase, tons. | Decrease, tons. |
|-------------------|-----------|-----------|--------------------|--------------------|
| Grundy..... | 1,261,838 | 1,247,394 | | 15,444 |
| Kankakee..... | 83,513 | 72,395 | | 11,118 |
| LaSalle..... | 1,084,552 | 1,409,085 | 324,533 | |
| Livingston..... | 267,133 | 218,953 | | 48,180 |
| Will..... | 38,675 | 86,951 | 48,276 | |
| Totals..... | 2,735,711 | 3,034,778 | | |
| Net increase..... | | | 299,067 | |

New Mines.—LaSalle County: In the month of October, 1895, the C., W. & V. Coal Company opened a new shaft, located two miles east of Streator on the line of the Santa Fé R. R. The shaft is sunk to a depth of 116 feet to seam No. 7, which is 6 feet thick. The curbing is 6x8 timber and the cages are self-dumping. The tower and other buildings on the surface are covered with fire-proof material. In June of this year a new air and escape shaft was completed; the entire plant is of a first-class character with double hoisting engine geared, and promises to be one of the large producers of the country.

Baer & Roberts have opened a new shaft north of Streator. At present the entries are being driven to prove the seam.

Price & Jones have sunk a new shaft in the bottom land along Prairie creek, at North Streator. The shaft is sunk in to the same seam as they were operating in their old shaft and does away with a slope at their old shaft, which was in bad order.

Livingston County: John Marshall reopened his old shaft last year and operated with twelve men for seven months.

Grundy County: The Chicago, Wilmington & Vermilion Coal Company has sunk a new shaft near Braidwood. The shaft is 99 feet deep and is equipped in a substantial manner. The seam is 3 feet thick with a good fire-clay mining. The mine is at present troubled with a good deal of water, but it is expected that this will become less as the mine is developed.

Joseph D. Meager, of Morris, has sunk a new escapement shaft. This has made a great improvement in the ventilation of his mine.

The Whitebreast Fuel Company is now operating the Clarke City and Gardner mines. Extensive repairs are now going on with a view of working these mines to their full capacity.

John Casewell has leased the mine formerly operated by Harry Smoek at Pleasant Hill, two miles south of Streator.

Fires.—On October 11, 1895, the tower buildings and elevator screen house of the B shaft, Clarke City, was destroyed by fire. The fire originated in or about the bins in which the coal was stored; the loss to the company was \$7,000.

New Mines.—Livingston County: The Streator Clay Manufacturing Company has sunk a new shaft down to seam No. 2, a depth of 222 feet. The seam is 2 feet and 3 inches thick. This shaft was sunk as an escape shaft for the

shaft operating seam No. 7, but the company decided to sink to seam No. 2 for the purpose of mining the fire clay under the coal seam, which is of a superior quality. In sinking they passed through a seam of coal of good quality; this seam is 3 feet and 7 inches thick and was found at a depth of 130 feet from the surface. It is their intention to mine the coal of this seam for the purpose of burning the clay. The tipples and buildings are of a substantial character, and their engines are double hoisting engines, 10x12 geared.

Sylvester Kimes has sunk a new shaft at Coalville on land leased from Richard Evans; it is intended to supply local trade.

William Burrell has sunk a new escape shaft at his mine south of Streator. This has made a great improvement in the ventilation of the mine.

Richard Evans & Sons, of Pontiac, began sinking their escape shaft in the fore part of June. It is now nearing completion. This will enable the ventilation of this mine to be put in proper order.

Improvements.—The LaSalle County Carbon Coal Co. has begun the system of splitting the air current and is putting in several overcasts in their Union mine, and when completed will be a great improvement on the system of ventilation.

The Acme Coal Company, of Streator, has put in a double Murphy fan 4 feet in diameter. It has improved the ventilation of their mine.

Infractions of the Law.—The Prairie Creek Coal Company, Streator, was found to be operating their Otter Creek mines without having a duly qualified manager, but after a good deal of correspondence and several personal interviews, they decided to comply with the law.

The Standard Oil Company, of Seneca, was found to be operating their mine at Seneca without a certified mine manager and a night shift engineer under 18 years of age. After being notified they complied with the law in both cases.

Abandoned Mines—The mine operated by Alex Begrun & Sons at Pleasant Hill has been abandoned. Owing to it being opened into other old mines, excessive rains filled the workings with water.

The C. W. & V. Coal Company has abandoned their No. 3 mine south of Streator.

John Marshall has again abandoned his mine owing to water coming in from other mines.

Will County—The C. W. & V. Coal Co. has abandoned their Q. shaft at Braidwood owing to the great expense incurred in timbering and pumping water, this being a constant source of trouble and expense.

Labor Troubles—On May 18 the miners employed at the Barrackman Coal Company's mine went out on a strike because the company refused to credit the miners with the full weight of their pit cars. When a car weighed, say 48 pounds over the hundred pounds the odd pounds were not given to the miner. After the miners were idle two weeks the company agreed to credit them with the weight of all coal passing over the screens.

Accidents—Eighteen fatal accidents occurred last year. After a careful investigation of the causes of such accidents I find that eleven of them were caused by falling rock and three by falling coal, two caught by a cage, one by a running

belt and one by a blast blowing through a pillar; this accident was due to a want of knowledge on the part of the victim of the point in the pillar where the blast was placed, but could have been prevented if a more careful inquiry had been made before the blast was fired. The accident from the running belt was not seen by any person and it was supposed the man had attempted to kick the belt off the pulley with his foot.

The other sixteen accidents were caused by carelessness on the part of some of the victims and a lack of knowledge on the part of the others.

In making inspections of the various mines in the first inspection district I have found men working under dangerous rocks, and, in calling their attention to this, they felt hurt at having their judgment of such matters called in question. On different occasions, in going through the long wall mines of the district, I have found men cutting the brushing on their road without having any props under it to secure it while they were cutting and in a number of instances have stopped and put in timber to secure the rock. Some have said that the reason they failed to do this was that such props were in the way of getting the coal out on the road and this is often the case, but I am glad to say that after explaining the danger and the risk incurred in following this practice, the majority of the English speaking miners put props in the center of their road when cutting their brushing, but a large number of them who do not understand what is said to them still run great risks in this respect, and especially when the mine has been idle for some days, their working place will be generally in bad order. The roof settles down in front of the coal and in some instances caves altogether. When this is the case it would require most of the day to secure the roof, but in their anxiety to load all the coal they can, in case they do not work the following day, it very often happens that the roof is only secured in a temporary way, resulting in a large number of fatal accidents.

✓ *Fatal Accidents*—On July 2, 1895, at the Big Four Coal Company's No. 2 mine, Coal City, Patrick Greening, a miner, aged 49 years, was instantly killed by a fall of coal in his room. The coal was mined under and sprags were set in front of it upon which the coal was resting. A prop was set about fifteen inches in front of the coal between the sprags. He proceeded to take down the coal by knocking out the first sprag, but the coal did not come down, so he reached past the prop and knocked out another sprag, upon which the coal fell suddenly, catching him between the coal and the prop, breaking his neck. He died instantly. Deceased left four children and a widow.

✓ July 16 Dominico Ariano, a miner, 24 years of age, was instantly killed by a fall of rock at the face of his room. The cause of the accident was evidently due to incompetency or carelessness. On examination I found the nature of the roof to be what we call good, but that the props supporting the same were entirely too far apart; where the rock fell they were nearly nine feet apart, allowing the rock an opportunity to break, which it did, throwing one prop between. The rock that fell on him would weigh over a ton; his head was crushed on a sulphur that was in the gob. He was a single man and leaves no one dependent in this country.

✓ On October 13, 1895, at the Wilmington Star Mining Company, No. 3 mine, Coal City, James Sumerville, engineer at the mine, was caught in the belting that run the grind stone and was taken around the shaft and pounded to a pulp. It seems that he had been grinding a knife used for splitting cap pieces, and it is supposed he had attempted to push the belt off with his foot (which was sometimes carelessly practiced) and became entangled with the belting and thus met his death. No one saw it happen, and he had been dead some time when found, as he was quite cold. He left a widow and four small children. He was 35 years of age.

✓ October 22, 1895, Michael Szaych, aged 65 years, married, employed by the LaSalle County Carbon Coal Company, in their Rockwell mine, at LaSalle was killed. About 5 p. m. a cage load of men had just been signalled to be hoisted to the top. Just as the cage was slowly rising from the bottom, the deceased came running towards the cage on the opposite side from where the cager was standing at the signal, and throwing a pick he carried into an empty pit car, he rushed forward and attempted to get on the cage. A miner, Edward Timm, who was on the cage, called to him in his own language, to keep back that the cage was signalled away to the top, but he took no notice of the men calling to him, but made an effort to get on the cage, and as the cage at that time was raised about 12 inches from the bottom, his foot caught on the bottom of the cage, throwing him face forward into the cage. The cager at once gave the signal to stop the cage, which the engineer did, but was too late. The deceased was caught between the cage and shaft timbers and died one hour and forty minutes after the accident. He left a widow and five grown children.

✓ November 5, 1895, Charles Cadman aged 57 years, who, with his two sons, was employed as a miner in Price & Jones' shaft at Streator, had fired a blast about 4:30 p. m.; he went back into his room immediately after the blast was fired, and taking his pick sounded the roof, and said to his son William, that it was all right. What is termed a slip or roll was on the left side of his room and spread out into the room for a distance of 16 feet. The blast fired had loosened the coal into the slip on the left pillar, but a portion of the coal was hanging on the slip, he started to mine it off, when five minutes after a large piece of rock fell on him killing him instantly. He left a widow and ten children, five of whom are able to take care of themselves.

✓ November 7, 1895, John Kazoid, aged 27 years, employed as a miner by the LaSalle County Carbon Coal Company, in their Union mine, at LaSalle, was fatally injured by a fall of coal and rock, while at work in the face of his working place. The deceased was wedging coal down where a slip was running parallel with the face of the coal. The slip continued up through the roof stratum, overlaying the coal and as the coal was loosened by the wedge, the slate and coal fell simultaneously and before he could get from under it, and he was crushed. When removed to his home it was found that his back was broken and he had sustained internal injuries. He died on December 12, leaving a widow and one child.

✓ Matthew Svoda, aged 45 years, employed by the Star Coal Company in their No. 2, at Kangley, was instantly killed by a fall of slate and soapstone.

in his room at 12:15 p. m. The deceased and his son were taking out the pillars of rooms 38 and 39 in the twenty-second right entry, and at the time stated, had fired a blast in room 39. He went in just after the blast was fired to find out how the coal was loosened, when a fall of slate caught him and killed him. A slip or the dividing line between the black slate and soapstone was lying at an angle of 30 degrees, though the pillar props were set to the soapstone side of the slip, but none under the black slate, and when the blast was fired it removed the coal from under the slate. It is supposed he was looking for a pick when the fall caught him. Mike Clugha and Andrew Droviskie, who were the first to go there, stated that the deceased went back in his room too soon after firing the blast. He left a widow and four children.

James Corrello, aged 45 years, miner, employed by the Big Four Wilming-ton Coal Company, No. 2 shaft, near Coal City, was instantly killed by a fall of rock. He and his brother were at work mining coal in room 54 and he was getting the loose coal from the left side of the room. His brother sounded the room with his pick and said it was all right. A row of props were set along the line of the face of the room, three and one-half feet from the coal, with the cap pieces placed parallel with the line of the breakers in the roof; a slip on the edge of the props was in the roof and when the coal was taken down another slip was cleared close on the face of the coal, which continued along the face of the room for a distance of 11 feet. The deceased was passing coal to his brother, when, without warning, a large rock 11 feet long and 21 inches deep by 26 inches, fell and killed him. The placing of two props under this rock would have prevented the accident. Andrew Sloan, who was the first to go there, stated that two props would have been sufficient to sustain the roof. Deceased left a widow and three children.

Martin Spangeil, aged 28 years, employed as a cager by the Rutland Coal Company, was fatally injured by a descending cage. He had just signalled the loaded cage to the top and for some reason after waiting a little time, walked through the bottom under the descending cage, which pushed him down in the sump. After getting the cage raised off him, it was found he was seriously injured internally. He died four days after the accident, leaving a widow and two children.

December 28, 1895, John Larreck, aged 30 years, married, employed as a miner in James Cahill's shaft at Pern, LaSalle county, was instantly killed by a fall of rock in his long-wall working face. The deceased was putting in props along the face of his room, his partner having gone home at half-past eleven. He was alone, and had put in props for a distance of fifteen feet, but at that point a slip was in the roof and he was in the act of putting a prop in and had struck it two blows with a sledge, when the prop sprung out from under the rock and suddenly a piece of it, weighing 3,000 pounds, fell and killed him. He was considered a careful miner. Left a widow and one child.

December 30, 1895, John W. Cave, miner, aged 28 years, single, was fatally injured at 4 p. m. in the C. W. & V. Coal Company's No. 2 shaft, two miles east of Streator. The deceased and his father were at work on the night shift in room No. 2, on first east entry on the south side of the shaft. This

entry was turned off at thirty-six feet from the shaft bottom, and on the north side another entry running east was turned off at a distance of twenty-seven feet from this entry, three rooms were driving south, and in the third room John Sanders and Andrew Malleck had prepared a blast in the top coal, and, when they were tamping their blast, they rapped on the coal as a signal to the men in the other entry, whose rooms were driving south of the entry on the south side of the shaft. They received an answer from another miner, and at this time the deceased and his father were standing in the opening of their own room, and remarked to Patrick McLange, who had just rapped on the coal, that the other room was very near being holed. They had just moved their tool-box and dinner pails from a point twelve feet back on the entry into their own room. They supposed the shot in the opposite room was at the point where they had just moved their tools; thinking they were safe, they sat down to eat their lunch, when the blast in the opposite room was fired and shot in a direct line with where John W. Cave was sitting, striking him on the left side of the head. He died before reaching home.

✓ Michael Murphy, aged 34 years, was killed by falling rock in the Braceville Coal Company's No. 4 mine. The deceased was employed as a miner, but his room having been driven the distance required, where the cross-entry was cutting it off, stopped mining in his room on the 22nd of February, and, as there was no other room ready for him to start in just then, he asked the night boss to let him work a few shifts on the night shift, and on the night of the 24th went in to do company work. The night boss told him to start brushing between the two last rooms on the third northeast entry, and at 11:45 p. m. Arthur Green, the night-shift driver, went in to get his car, which was loaded with rock, and at that time he stated to the driver that he would have to go to the bottom and sharpen some picks. No one saw him from that time until Alfred Spiers, the fire boss, in going his rounds of the mine at 2 o'clock in the morning went down the entry to see how he was getting along. He found him lying dead under a rock 3x4 feet, 10 inches thick. He had been cutting with his pick along the left side of the roadway, and on the right side a slip ran through the rock, and when about five inches of cutting had been done on the left side another slip started running to the right, which loosened the rock, and it must have fallen without warning. He left a widow and five children.

✓ March 3, 1896, Mark Noon, miner, aged 40 years, employed by the C., W. & V. Coal Company in their No. 1 mine, at Heenanville, was fatally injured by a fall of coal. He and his brother were engaged withdrawing the pillar between Nos. 4 and 5 room in the fourth southeast entry about 10 a. m. They fired a blast in the bottom coal which cleared it from under the top coal for a distance of seven feet along the pillar and four feet under. They then went back out of the room to eat their lunch, and ten minutes later they went back to see how the blast had done. The deceased, without saying anything to his brother, took a pick and went under the top coal and started to undercut a point next the old room; the coal, being loose on both ends, suddenly rolled over and pushed him against a loaded pit car which was standing close

up to the coal. He received internal injuries from which he died four hours after. He left a widow and five children.

✓ April 13, 1896, Thomas Reilly and Chas. Hoye, aged respectively 27 and 22 years, both unmarried, were instantly killed by a fall of rock in the R shaft of the C., W. & V. Coal Company, at Braidwood, about 4 o'clock in the morning. The deceased were at work in the bottom of the shaft preparing to put in a sill timber in the bottom of which to place a set of timbers; two props were set up to the rock, close to the north end of the shaft; a piece of rock fell and knocked one of them out; the boss of the night shift; Wm. Hoye, just about that time came past them and told them to put up the prop again; he then left them and went into another part of the mine, and as none of the other men had seen them until the accident, it is supposed they were preparing to put up the prop, as they were ordered to do, when, without warning, a large mass of soapstone, measuring 9x4x3 ft. 6 in. thick fell on them. It was stated by one of the men called there to get them from under the rock that Chas. Hoye lived a few minutes. He was the only support of a widowed mother.

✓ June 3, 1895, George Harcharik, aged 53 years, miner, employed by the Prairie Creek Coal Company, in the Otter Creek mine, two miles east of Streator, was fatally injured by a fall of rock in his working room No. 3, on the sixth east entry, at 3:30 p. m. The deceased and his son had just started to work in the room that morning; the son objected to work in the room owing to a roll or fault that was in the coal seam. The pit boss told them that he would pay them for room turning, if they would work in it; they then prepared a blast in the bottom coal, and shortly after firing the blast, they started to load a pit car with coal. The deceased was in the act of stooping under the top coal when a piece of rock 24x18 in., which had been loosened by the force of the blast, fell without warning, crushing him on the left side, injuring him internally, from which he died shortly after being taken home. He left a widow and eight children, three of whom are able to earn their own living.

With precaution, after the blast was fired, this accident would not have happened.

✓ June 18, 1896, Peter Rossetta, miner, aged 36 years, was instantly killed by falling rock in longwall working place in the Diamond No. 4 mine of the Wilmington Mining and Manufacturing Company, in Grundy county. The mine was not in operation this day, but the deceased and his partner had gone in to get coal loose for the next day's work. He had taken the coal down on the left side of the roadway for a distance of ten feet along the face of the room; several breaks were in the roof and came together at this point. It is supposed that the deceased was in the act of putting in a prop to the roof where the two breaks met, which was the light end of the rock, when, without any warning, a large piece of rock, 9 ft. 6 in. x 3 ft. 2 in., fell on him, completely covering him; his partner then went some distance and secured help to remove the rock, but it was found that he was dead. Had the prop been put in five feet from the point towards the road, the rock could not have fallen. He left a widow and five children in the old country.

The following tables present the fatal and non-fatal accidents:

Fatal Casualties in about Coal Mines in the First District of Illinois for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence—Town. | Name of Mine. | Married. | Widow. | Children. | Single. | Persons dependent. | Cause of Accident. |
|------------|---------------------|------|-------------|-----------------|------------------------|----------|--------|-----------|---------|--------------------|-------------------------|
| July 1895. | 2 Patrick Greening | 49 | Miner. | Coal City. | Big Four No. 2. | 1 | 1 | 4 | 1 | 5 | Killed by falling coal. |
| 15 | Dominico Ariano. | 24 | Engineer. | " | Star Coal Co. No. 1. | 1 | 1 | 4 | 1 | 5 | rock |
| 13 | Jas. Soucierville | 35 | Miner. | LaSalle. | Wilmt. Star Mining Co. | 1 | 1 | 5 | 1 | 1 | running belt. |
| October | 22 Michael Szaych. | 65 | Miner. | Streator. | Rockwell. | 1 | 1 | 9 | 1 | 1 | ascending cage. |
| November | 5 Chas. Cadman. | 30 | " | LaSalle. | Price & Jones. | 1 | 1 | 1 | 1 | 4 | falling rock. |
| " | 7 John Kazoid. | 27 | " | LaSalle. | Union Mine. | 1 | 1 | 1 | 1 | 2 | " |
| " | 11 Mathew Svoda. | 15 | " | Kangley. | Kangley No. 2. | 1 | 1 | 4 | 5 | 5 | " |
| " | 21 Jas. Carrello. | 15 | " | Coal City. | Big Four No. 2. | 1 | 1 | 3 | 4 | 4 | " |
| December | 19 Martin Spangell. | 38 | Cager. | Rutland. | Rutland No. 2. | 1 | 1 | 2 | 3 | 3 | descending cage. |
| " | 28 John Larreck. | 30 | Miner. | Pern. | Cahill's. | 1 | 1 | 1 | 1 | 2 | falling rock. |
| " | 30 John W. Cave. | 22 | " | Streator. | C. W. & V. Co. No. 2. | 1 | 1 | 1 | 1 | 1 | falling coal from shot. |
| 1896. | 25 Michael Murphy. | 34 | " | Braceville. | Braceville No. 4. | 1 | 1 | 5 | 6 | 6 | falling rock. |
| February | 3 Mark Noon. | 40 | " | Streator. | C. W. & V. Co. No. 4. | 1 | 1 | 5 | 6 | 6 | coal |
| March | 13 Thos. Riley. | 27 | " | Braidwood. | " | 1 | 1 | 5 | 1 | 1 | rock. |
| April | 1 L. Chas. Hoxe. | 22 | " | " | R. shaft. | 1 | 1 | 1 | 1 | 1 | " |
| " | 3 Geo. Harebrik. | 53 | " | Streator. | Pekin shaft. | 1 | 1 | 8 | 1 | 7 | " |
| " | 18 Peter Rossetto. | 36 | " | Diamond. | Diamond No. 4. | 1 | 1 | 5 | 1 | 5 | " |
| " | 23 Andrew Wargo. | 58 | " | Streator. | Barrackman. | 1 | 1 | 2 | 1 | 1 | " |

Recapitulation of Fatal Accidents—First District—July 1, 1896.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|-----------------|-----|----------------|-----|---------------------|-----|-------------------------|-----|
| Braceville..... | 1 | Cager..... | 1 | Ascending cage.... | 1 | Barrackman's..... | 1 |
| Braidwood..... | 2 | Engineer. | 1 | Caught by belt..... | 1 | Big 4, Wilmington. | 2 |
| Coal City..... | 4 | Miner..... | 16 | Descending cage.... | 1 | Braceville..... | 1 |
| Diamond..... | 1 | | | Falling coal..... | 2 | C., W. & V. Coal Co.... | 4 |
| Kangley..... | 1 | | | Falling rock..... | 12 | E. Hakes..... | 1 |
| LaSalle..... | 2 | | | By coal from shot . | 1 | James Cahill..... | 1 |
| Peru..... | 1 | | | | | Wil. Min. & Man'f'g Co | 1 |
| Rutland..... | 1 | | | | | Wil. Star Coal Co..... | 1 |
| Streator..... | 5 | | | | | LaSalle C. C. Co..... | 2 |
| | | | | | | Prairie Creek Coal Co.. | 1 |
| | | | | | | Price & Jones..... | 1 |
| | | | | | | Star Coal Co..... | 2 |
| Total..... | 18 | | 18 | | 18 | | 18 |

Non-Fatal Casualties in and about Coal Mines in the First District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Single. | Children. | No persons dependent. | Character of Injury and Cause of Accident. | Time lost—days. |
|-----------|--------------------------|------|--------------|----------------|--------------------------|----------|---------|-----------|-----------------------|--|-----------------|
| 1895. | | | | | | | | | | | |
| July | 11 Chas. Huber..... | 15 | Miner | Diamond. | Diamond. | 1 | 1 | 1 | 1 | Eye injured by falling rock. | 49 |
| " | 13 John Timmon..... | 28 | Driver | LaSalle. | Rockwell. | 1 | 1 | 2 | 3 | Ankle bruised between pit cars. | 78 |
| " | 18 Dom. Brawer..... | 35 | Miner | Diamond. | Diamond. | 1 | 1 | 1 | 1 | Back injured, falling coal. | 28 |
| " | 29 Peter Rynn..... | 45 | Miner | Streator. | Rynn & Roberts. | 1 | 1 | 3 | 4 | Finger fractured, falling rock. | 125 |
| August | 3 Alex Kilzyink..... | 18 | Trapper. | Peru | Union. | 1 | 1 | 1 | 1 | Finger broken, uncoupling cars. | 21 |
| " | 8 Anos Lazier..... | 34 | Miner | Diamond. | Diamond. | 1 | 1 | 3 | 4 | Finger bruised, falling coal. | 28 |
| " | 8 Frank Emmeth..... | 40 | " | Gardner. | Gardner No. 1. | 1 | 1 | 1 | 1 | Eye injured, falling rock. | 28 |
| " | 9 Wm. Hislop..... | 32 | " | Streator. | Spring Hill. | 1 | 1 | 1 | 1 | Finger bruised, falling pit cars. | 30 |
| " | 12 Chris Kumpf..... | 30 | " | Braidwood. | Diamond. | 1 | 1 | 4 | 5 | Arm and hip bruised, falling coal. | 40 |
| " | 13 Joe Jackson..... | 33 | " | Coal City. | Big 4. | 1 | 1 | 1 | 1 | Back injured, lifting coal. | 28 |
| " | 16 Thos. Murphy..... | 24 | " | Braidwood. | Q shaft. | 1 | 1 | 4 | 5 | Arm and hip bruised, falling rock. | 14 |
| " | 17 Thos. Allen..... | 35 | " | Braidwood. | Q shaft. | 1 | 1 | 6 | 7 | Back injured, falling rock. | 42 |
| " | 20 Henry Jewer..... | 49 | " | Peru | U. ion. | 1 | 1 | 7 | 8 | Hand bruised, falling coal. | 21 |
| " | 20 Henry Smith..... | 45 | " | Oglesby. | Oglesby. | 1 | 1 | 1 | 1 | Arm bruised, falling coal. | 8 |
| " | 20 Wm. Pryde..... | 26 | " | Carbon Hill. | No. 1 shaft. | 1 | 1 | 2 | 3 | Leg bruised, falling rock. | 18 |
| " | 21 Wm. McDermott..... | 40 | Road man. | Oglesby. | Oglesby. | 1 | 1 | 1 | 1 | Eye injured, falling rock. | 42 |
| " | 22 Fred Smith..... | 32 | Miner | Oglesby. | Clark City. | 1 | 1 | 1 | 1 | Leg bruised, piece of steel of wedge | 15 |
| " | 25 Chris Baidan..... | 26 | " | Oglesby. | Oglesby. | 1 | 1 | 1 | 1 | Leg broken, falling rock. | 60 |
| " | 29 Wm. Harrison..... | 45 | " | Oglesby. | Oglesby. | 1 | 1 | 2 | 3 | Hand bruised, falling rock. | 18 |
| " | 30 Wm. Coats..... | 40 | " | LaSalle. | Rockwell. | 1 | 1 | 7 | 8 | Ribs broken, falling prop. | 14 |
| September | 4 Thos. Orwn..... | 18 | Driver. | Braidwood. | Q shaft. | 1 | 1 | 1 | 1 | Leg broken, car jumped track. | 36 |
| " | 5 Thos. McFarlane..... | 18 | " | Streator. | No. 2 sh. ft. (CW & VCo) | 1 | 1 | 1 | 1 | Back injured, lifting pit car. | 7 |
| " | 9 John Shims..... | 25 | Miner | Braidwood. | P shaft. | 1 | 1 | 2 | 3 | Hands and face burned, powder exp. | 22 |
| " | 9 John Harchardic..... | 19 | " | Braidwood. | Rockwell. | 1 | 1 | 1 | 1 | Knee injured, kicked by mule. | 14 |
| " | 14 Joe Falletto..... | 36 | Blacksmith. | LaSalle. | Q shaft. | 1 | 1 | 1 | 1 | Back injured by pit car. | 28 |
| " | 16 Joe Schurt..... | 30 | Road man. | Braidwood. | Union. | 1 | 1 | 1 | 1 | Body bruised, falling coal. | 50 |
| " | 17 Jas. McCovie..... | 23 | Miner | Peru | Gardner. | 1 | 1 | 1 | 1 | Leg broken. | 14 |
| " | 17 Solomon Repenze..... | 30 | " | Braidwood. | P shaft. | 1 | 1 | 4 | 5 | Face burned, gas explosion. | 40 |
| " | 17 Jas. Lilly..... | 40 | " | Braidwood. | Diamond. | 1 | 1 | 7 | 8 | Side injured, lifting pit car, result | 30 |
| " | 21 Andrew McNulty..... | 50 | Coal picker. | Diamond. | P shaft. | 1 | 1 | 1 | 1 | Hernia. | 182 |
| " | 25 Joe Berhuis..... | 36 | Miner | Braidwood. | Rockwell. | 1 | 1 | 1 | 1 | Hand bruised, falling rock. | 70 |
| " | 27 John B. Morrison..... | 35 | " | LaSalle. | No. 3 shaft. | 1 | 1 | 2 | 3 | Leg bruised. | 15 |
| " | 32 Edw. Ritar..... | 32 | Road man. | Carbon Hill. | Big 4. | 1 | 1 | 1 | 1 | Part of finger, pit-car wheel. | 21 |
| October | 31 John Neary..... | 45 | " | Coal City. | Spring Hill. | 1 | 1 | 1 | 1 | Back injured, falling rock. | 28 |
| " | 1 P. Clytrains..... | 22 | Miner | Coal City. | Big 4. | 1 | 1 | 1 | 1 | Foot bruised. | 35 |
| " | 2 L. Verderman..... | 26 | " | Spring Hill. | Spring Hill. | 1 | 1 | 1 | 1 | falling coal. | 14 |
| " | 3 Peter Sabina..... | 28 | " | Spring Hill. | Spring Hill. | 1 | 1 | 1 | 1 | Arm broken, falling rock. | 42 |
| " | 5 Austin Richey..... | 24 | " | Spring Hill. | Spring Hill. | 1 | 1 | 1 | 1 | Head and face burned, gas explosion | 9 |

| | | | | | | | |
|----------|----|---------------------|---------------|------------------------|---|---|--|
| October | 25 | 5 Paul Jenatta | Spring Hill | Spring Hill | 1 | 1 | Head and face burned, gas explosion |
| | 26 | 8 H. McKenzie | Braidwood | P shaft | 1 | 1 | 2 Knee injured, falling coal |
| | 27 | 8 V. Hassall | Carbon Hill | No. 3 shaft | 1 | 3 | 4 Back injured, falling rock |
| | 28 | 9 Conrad Perku | Braidwood | Q shaft | 1 | 2 | 3 Sprained ankle |
| | 29 | 10 Alex Davidson | " | " | 1 | 3 | 4 Leg bruised |
| | 30 | 10 Dan Hutchison | Timber man | " | 1 | 2 | 3 Toe broken |
| | 31 | 10 Louis Coners | Miner | " | 1 | 2 | 3 Knee injured, falling coal |
| | 32 | 12 Frank Haupa | " | Diamond | 1 | 1 | 3 |
| | 33 | 14 Joseph Evans | Braidwood | P shaft | 1 | 2 | 3 |
| | 34 | 14 Jas. Doyle | Oglesby | Oglesby | 1 | 1 | Foot |
| | 35 | 14 Carl B. gen. | Diamond | Diamond | 1 | 3 | Leg bruised between pit cars |
| | 36 | 14 John Cavalla | " | Q shaft | 1 | 1 | Leg bruised, falling coal |
| | 37 | 16 Archie Allen | Braidwood | Q shaft | 1 | 1 | Hand bruised falling rock |
| | 38 | 18 Thos. Goldsmith | Braidwood | Q shaft | 1 | 1 | Body bruised falling rock |
| | 39 | 20 Joe Cousins | Miner | Oglesby | 1 | 1 | Hand bruised falling coal |
| | 40 | 21 John Vallon | " | Big 4 | 1 | 1 | Shoulder bruised falling rock |
| | 41 | 22 Duncan McDonald | Sufferenville | Diamond | 1 | 4 | Hip and leg bruised between pit cars |
| | 42 | 23 Henry Brown | Braidwood | No. 1 shaft | 1 | 1 | 5 Foot bruised falling coal |
| | 43 | 23 Steve Powell | Diamond | Q shaft | 1 | 2 | 3 Body hurt by falling coal |
| | 44 | 32 Andr. Rossetta | Carbon Hill | No. 1 shaft | 1 | 1 | Leg broken falling coal |
| | 45 | 30 Dom Joshua | Streator | No. 2 | 1 | 6 | 1 Back injured, falling rock |
| | 46 | 30 Michael Radigan | Carbon Hill | Spring Hill | 1 | 3 | 4 Back injured, falling coal |
| | 47 | 5 Columbus Dominick | Streator | Union | 1 | 2 | Arms and face burned gas explosion |
| | 48 | 6 William Lunnah | Peru | C. W. & V. Co. Q shaft | 1 | 2 | 3 Back broken falling rock, not record |
| | 49 | 6 Edw. Lunnah | Braidwood | No. 2 shaft | 1 | 3 | 4 Foot bruised falling coal |
| | 50 | 7 John Kazoid | Kangley | No. 1 shaft (W & V Co) | 1 | 1 | 1 Toe crushed falling rock |
| | 51 | 7 John Kratofil | " | No. 2 shaft | 1 | 2 | 3 Back and hips injured falling in shaft |
| | 52 | 8 Paul Chibben | Carbon Hill | No. 2 shaft | 1 | 1 | 5 |
| | 53 | 8 Dom Bilheli | LaSalle | Q shaft | 1 | 1 | 6 Collar bone caught between pit cars |
| | 54 | 9 Lockwood Wray | Braidwood | P shaft | 1 | 3 | 4 Shoulder dislocated, falling rock |
| | 55 | 10 Joseph Woods | " | LaSalle | 1 | 1 | Knee hurt—kicked by mule |
| | 56 | 12 John Rosso | LaSalle | Diamond No. 4 | 1 | 1 | Back injured by falling rock |
| | 57 | 12 J. Hestrah | " | P shaft | 1 | 1 | Broken toe, falling coal |
| | 58 | 16 Frank Swartz | " | Q shaft | 1 | 1 | Eye injured by piece of coal |
| | 59 | 16 Wm. Managhton | " | Diamond No. 4 | 1 | 2 | Body injured by falling stone |
| | 60 | 16 Joe McCovie | " | Malthy | 1 | 5 | 6 Shoulder sprained by falling stone |
| | 61 | 16 Pat Colm | LaSalle | Q shaft | 1 | 1 | Finger bruised by pit cars |
| | 62 | 16 Marco Strilioni | Diamond | No. 4 shaft | 1 | 1 | Sprained knee joint, jumped on car |
| | 63 | 19 Peter Chinnotts | Braidwood | No. 2 C. W. & V | 1 | 1 | Burnt by gas |
| | 64 | 20 J. Tusset | " | No. 2 C. W. & V | 1 | 1 | 2 Foot hurt by fall of coal |
| | 65 | 29 Anton Traluca | " | Q shaft | 1 | 2 | 3 Leg bruised by falling rock |
| | 66 | 29 Anton Mossatto | " | No. 2 shaft | 1 | 1 | 4 Leg broke by pit car |
| | 67 | 30 Anton Francesco | Streator | Spring Hill No. 1 | 1 | 3 | 4 Arm hurt by coal and rib |
| December | 1 | Thos. Broddick | " | " | 1 | 1 | " |
| | 2 | Wm. Poppleton | " | " | 1 | 1 | " |
| | 3 | M. Murphy | " | " | 1 | 1 | " |
| | 4 | John Allica | " | " | 1 | 1 | " |
| | 5 | Mike Elias | Diamond | " | 1 | 1 | " |
| | 6 | Louis Drunko | Streator | " | 1 | 1 | " |
| | 7 | M. Bert | Braidwood | " | 1 | 1 | " |
| | 8 | William Keer | Carbon Hill | " | 1 | 1 | " |
| | 9 | John Nelson | Streator | " | 1 | 1 | " |

| January February | 31 | Henry Donnelly. | 30 | Miner | Braidwood | R. C. W. & V. Co. | P | 1 | 1 | 2 | Back bruised by falling rock. | 14 |
|---------------------|----|-------------------|----|--------------|--------------|-------------------|---|---|---|---|--|-----|
| | | | | | | | | | | | | |
| | 1 | Paul Paleocchini. | 27 | " | Carbon Hill. | No. 3 shaft. | | 1 | 1 | 1 | Side injured by falling coal. | 7 |
| | | F. Alex. | 25 | " | Oglesby. | Oglesby. | | 1 | 1 | 2 | Finger crushed by falling coal. | 14 |
| | 6 | Wm. Harrison. | 45 | " | LaSalle. | Union. | | 1 | 1 | 2 | Finger crushed by pit car. | 31 |
| | | Joe Hart. | 18 | Driver | Braidwood. | Q shaft. | | 1 | 1 | 1 | Eye burned. | 8 |
| | 6 | John Pent. | 23 | " | Braceville. | No. 4 shaft. | | 1 | 1 | 1 | 3* Back injured seriously, falling rock | 214 |
| | | John C. Brooks. | 26 | Miner | Streator. | No. 2 shaft. | | 1 | 1 | 2 | 3 Foot injured, water box jumped, track | 7 |
| | 13 | Andrew Hovack. | 30 | Miner | Kandley. | No. 1 shaft. | | 1 | 1 | 2 | 3 Foot injured, stepping on needle. | 16 |
| | | John Socash. | 20 | " | Braidwood | R shaft. | | 1 | 1 | 4 | 5 Back strained by lifting car. | 7 |
| | 15 | Joe J. Rogers. | 32 | " | Streator. | Aemic. | | 1 | 1 | 4 | 5 Two fingers crushed, coupling cars. | 30 |
| | | John Langley. | 21 | Teamster | Oglesby. | No. 1 shaft. | | 1 | 1 | 4 | 5* Back and leg injured, fall of rock. | 17 |
| | 17 | Aug. Wilkinson. | 52 | Miner | Diamond. | Oglesby. | | 1 | 1 | 2 | 3 Foot cut by fall of coal. | 17 |
| | | John Walcox. | 60 | Driver | Braidwood | No. 4 shaft. | | 1 | 1 | 1 | 1 Spine injured by pit cars. | 7 |
| | 18 | Geo. Seolar. | 17 | " | " | Q shaft. | | 1 | 1 | 3 | 2 Face bruised, lip cut, falling coal. | 35 |
| | | James Kocera. | 22 | Miner | " | Q shaft. | | 1 | 1 | 3 | 4 Thumb bruised, falling coal. | 40 |
| | 21 | John Rewscop. | 44 | " | " | P shaft. | | 1 | 1 | 2 | 3 Fingers lacerated, falling coal. | 45 |
| | | Joe Keenable. | 23 | " | Oglesby | Oglesby | | 1 | 1 | 2 | Shoulder bruised by fall of rock. | 70 |
| | 22 | Angelo Brazo. | 34 | Driver | Braidwood | P shaft. | | 1 | 1 | 8 | 9 Back injured by fall of rock in room | 30 |
| | | William Neais. | 47 | Miner | Carbon Hill | No. 3 mine. | | 1 | 1 | 4 | 5 Lacerated finger, hit with hammer. | 14 |
| | 24 | Joseph Perry. | 21 | " | Braidwood | Q shaft. | | 1 | 1 | 1 | 4 Shoulder bruised, falling rock. | 77 |
| | | Louis Kaiser. | 40 | Blacksmith. | " | " | | 1 | 1 | 3 | 4 Shoulder bruised. | 19 |
| | 28 | John Chema. | 25 | Miner | Oglesby | P shaft. | | 1 | 1 | 3 | 4 Back bruised, falling coal. | 21 |
| | | Frank Tussell. | 23 | Driver | Braidwood | P shaft. | | 1 | 1 | 1 | 7 Hip and side bruised, falling rock. | 14 |
| | 3 | Henry Obie. | 37 | " | Coal City | Big Four shaft. | | 1 | 1 | 6 | 7 Face and hand bruised, gas explos'n | 28 |
| | | Frank Giovanni. | 25 | Miner | Pontiac | R. Evans. | | 1 | 1 | 5 | 6 Hand bruised, falling rock. | 7 |
| | 4 | E. Serena. | 25 | " | Braidwood | P shaft. | | 1 | 1 | 3 | 4 Foot crushed between pit-cars. | 16 |
| | | Anton Babrelly. | 5 | " | Farbury. | Walton Bros. | | 1 | 1 | 1 | 2 Leg broke, falling rock in room. | 45 |
| | 9 | Frank Stevenson | 30 | " | Braidwood | Diamond No. 4. | | 1 | 1 | 2 | 3 Knee injured, falling rock. | 56 |
| | | Thos. Monetto. | 36 | " | LaSalle | Peru shaft. | | 1 | 1 | 3 | 4 Back bruised, falling coal. | 96 |
| | 12 | Joe Daly. | 28 | " | Braidwood | Spring Hill. | | 1 | 1 | 3 | 3 Toe bruised, falling rail. | 7 |
| | | Martin Kuta. | 55 | " | Braidwood | Diamond No. 4. | | 1 | 1 | 3 | 2 Leg broken, falling coal. | 10 |
| | 15 | Con. Hurley. | 50 | " | " | P shaft. | | 1 | 1 | 3 | 3 Kneec dislocated, pushing pit-car and fell | 70 |
| | | Joe Williamson | 38 | " | Braceville. | No. 4 mine. | | 1 | 1 | 5 | 2 Ribs bruised, falling coal. | 35 |
| | 17 | Joe Pomotto. | 50 | " | Carbon Hill | P mine. | | 1 | 1 | 6 | 3 Thumb broken. | 90 |
| | | Robt. Hanop. | 35 | " | Coal City | Big 4 | | 1 | 1 | 2 | 6 Hit on the eye by wedge. | 70 |
| | 20 | Adam Cullick. | 36 | Section man. | Braidwood | P mine. | | 1 | 1 | 3 | 3 Fingers bruised between pit-cars. | 35 |
| | | Walter Bath. | 62 | Miner | Oglesby | Oglesby mine | | 1 | 1 | 5 | 6 Hand crushed between pit-car and | 7 |
| | 25 | Frank Swartz. | 26 | " | Braidwood | " | | 1 | 1 | 3 | 7 Leg broken on dirt dump car. | 85 |
| | | Julius Ferris. | 35 | " | LaSalle | Malby No. 1. | | 1 | 1 | 4 | 5 Foot bruised by broken coupling ears | 50 |
| | 26 | Albert Tolerman | 60 | " | Braidwood | No. 1 mine. | | 1 | 1 | 3 | 3 Hands injured, coal fall g down shaft | 21 |
| | | Gilbert Simpson. | 23 | Coal Picker | Peru | P mine. | | 1 | 1 | 3 | 4 Back strained lifting coal on car. | 14 |
| | 31 | Dom Perona. | 57 | Miner | Braidwood | Union mine | | 1 | 1 | 5 | 6 Leg and back injured, falling rock. | 30 |
| | | Jas. Fride. | 19 | Driver | Marsilles | " | | 1 | 1 | 5 | | |
| | 31 | H. Harper. | 40 | " | " | " | | 1 | 1 | 5 | | |
| | | Joe Bella. | 18 | Miner | " | " | | 1 | 1 | 5 | | |
| | 1 | Thos. McFarlane. | 18 | Driver | " | " | | 1 | 1 | 5 | | |
| | | William Malby. | 19 | Weightman | " | " | | 1 | 1 | 5 | | |
| | 2 | M. Blanche. | 35 | Driver | LaSalle | " | | 1 | 1 | 5 | | |
| | | P. Sammon. | 23 | Cager | Braidwood | " | | 1 | 1 | 5 | | |
| | 9 | H. McKenzie. | 29 | Miner | Peru | " | | 1 | 1 | 5 | | |
| | | Wm. Gaulty. | 55 | " | " | " | | 1 | 1 | 5 | | |
| | 15 | Wm. Smith. | 45 | " | " | " | | 1 | 1 | 5 | | |
| | | " | " | " | " | " | | 1 | 1 | 5 | | |

March

April

Non-Fatal Casualties—First District—1896—Continued.

| D te. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Single. | Chil ren. | No. persons dependent | Character of Injury and Cause of Accident. | Time lost— Days. |
|-------|---------------------------|------|------------------|------------------|------------------------|----------|---------|-----------|-----------------------|---|---------------------|
| April | 16 Wm. Connell..... | 55 | Coal Picker..... | Carbon Hill..... | No. 2 mine..... | 1 | 1 | 3 | 4 | Foot injured by mule | 21 |
| " | 17 E. Endaert..... | 54 | Miner..... | Braidwood..... | No. 3 mine..... | 1 | 1 | 3 | 4 | Shoulder broken, fall'g rock in room | 28 |
| " | 18 Adam Gr ever..... | 40 | Section man..... | "..... | Railroad..... | 1 | 1 | 3 | 4 | End of finger cut off, falling rail | 42 |
| " | 19 Jas. Tomasek..... | 38 | Miner..... | "..... | R shaft..... | 1 | 1 | 1 | 1 | Eye injured by piece of coal | 47 |
| " | 20 Mike Gattalia..... | 28 | "..... | Diamond..... | Diamond No. 4..... | 1 | 1 | 1 | 1 | Foot injured by falling rock | 28 |
| " | 21 Peter Guise..... | 28 | "..... | Braidwood..... | P shaft..... | 1 | 1 | 1 | 1 | Collar bone dislocated, falling rock | 63 |
| " | 22 Frank Coleman..... | 17 | Trapper..... | LaSalle..... | No. 1 mine..... | 1 | 1 | 1 | 1 | Toes crushed by pit-car | 14 |
| " | 23 John Hummelick..... | 43 | Miner..... | Kangley..... | Spring Hill No. 1..... | 1 | 1 | 3 | 5 | Hip injured by falling coal | 21 |
| " | 24 Anton Defandant..... | 39 | "..... | Braidwood..... | P shaft..... | 1 | 1 | 3 | 4 | Back strained by lifting coal on car | 7 |
| " | 30 Jas. Failey..... | 43 | "..... | "..... | No. 1 shaft..... | 1 | 1 | 2 | 3 | Finger bruised by prop | 21 |
| May | 10 T. Brother..... | 38 | "..... | LaSalle..... | "..... | 1 | 1 | 1 | 1 | Leg bruised by falling coal | 30 |
| " | 11 W. Hutton..... | 33 | "..... | "..... | No. 1 shaft..... | 1 | 1 | 1 | 1 | Hand injured by falling coal | 21 |
| " | 13 Ford Dichart..... | 39 | "..... | Kangley..... | Spring Hill No. 1..... | 1 | 1 | 1 | 2 | Hand injured by falling coal | 14 |
| " | 15 Frank Bertuzy..... | 53 | "..... | Braceville..... | No. 4 shaft..... | 1 | 1 | 1 | 2 | Small bone of foot broken, fall'g rock | 14 |
| " | 16 Joe Pallorn..... | 50 | "..... | LaSalle..... | No. 1 "..... | 1 | 1 | 3 | 4 | Arm bruised, falling coal | 45 |
| " | 20 Samuel Radford..... | 45 | "..... | Braceville..... | No. 4 "..... | 1 | 1 | 1 | 1 | Back seriously hurt and two ribs broken, falling rock | 21 |
| " | 21 David Swanborough..... | 45 | "..... | "..... | No. 4 "..... | 1 | 1 | 1 | 1 | Hip injured by falling rock | 40 |
| " | 22 George Lusoft..... | 36 | "..... | Kangley..... | No. 2 "..... | 1 | 1 | 1 | 1 | Face cut by falling rock | 24 |
| " | 23 Axel Norman..... | 22 | Driver..... | LaSalle..... | No. 1 "..... | 1 | 1 | 1 | 2 | Back injured, caught bet'n pit-cars | 21 |
| " | 24 Joseph Keumich..... | 48 | Miner..... | Kangley..... | Spring Hill shaft..... | 1 | 1 | 3 | 4 | Breast bruised, caught bet'n car & rib | 7 |
| June | 1 M. Stelin..... | 27 | "..... | Braidwood..... | P shaft..... | 1 | 1 | 1 | 1 | Leg bruised by falling rock | 35 |
| " | 5 Louis Evans..... | 27 | "..... | Streator..... | Acme shaft..... | 1 | 1 | 1 | 2 | Shoulder injured by props in pit-car | 14 |
| " | 8 Anton Bergia..... | 4 | Miner..... | Braidwood..... | P shaft..... | 1 | 1 | 5 | 6 | Body bruised by falling rock | 15 |
| " | 8 M. Mottep..... | 39 | "..... | Streator..... | "..... | 1 | 1 | 5 | 6 | Fell and injured hand with pick | 14 |
| " | 10 Jas. Smedley..... | 46 | "..... | Streator..... | Howe & Co. shaft..... | 1 | 1 | 2 | 2 | Collar bone broken, caught between pit-cars | 21 |
| " | 16 Benj. Lane..... | 45 | "..... | LaSalle..... | No. 1 shaft..... | 1 | 1 | 1 | 1 | Leg injured by falling roof | * |
| " | 17 Joseph Breginski..... | 45 | "..... | "..... | Rockwell shaft..... | 1 | 1 | 3 | 4 | Arm and ribs broken, fall of rock | 7 |
| " | 20 Vuico Kanstorie..... | 24 | "..... | Kangley..... | No. 2 mine..... | 1 | 1 | 1 | 1 | Face and body inj'd, premature blast | 21 |
| " | 22 Emil Tyola..... | 22 | "..... | Streator..... | Otter Creek..... | 1 | 1 | 8 | 6 | Back and breast injured, falling rock | * |
| " | 24 Edw. Bryant..... | 44 | "..... | "..... | Eagle Clay Works..... | 1 | 1 | 2 | 3 | Head injured, falling rock | 10 |
| " | 25 Jas. Lawrence..... | 35 | Road man..... | "..... | Spring Hill..... | 1 | 1 | 1 | 1 | Knee dislocated by pit-cars | * |
| " | 26 Louis Jones..... | 35 | "..... | "..... | C. W. & V. No. 2..... | 1 | 1 | 1 | 2 | Face and arms bruised, gas explos'n | * |
| " | 29 Isaac Lee..... | 26 | Miner..... | LaSalle..... | M. & H. Zinc Co..... | 1 | 1 | 1 | 2 | Back and hips bruised, falling rock | * |
| " | 29 A. Albo..... | 27 | "..... | Carbon Hill..... | No. 3 mine..... | 1 | 1 | 1 | 1 | Face and hands burned, gas explos'n | 10 |

* Still idle.

*Recapitulation of Non-Fatal Accidents—First District—July
1, 1896.*

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|------------------|-----|-----------------|-----|------------------------|-----|-----------------------------|-----|
| Braceville | 7 | Blacksmith... | 2 | Ascending cages... | 2 | Acme Coal Co | 2 |
| Braidwood.... | 77 | Cagers | 3 | Burned by powder. | 3 | Barrackman Coal Co..... | 1 |
| Carbon Hill... | 15 | Coal pickers... | 4 | By needle | 1 | Braceville Coal Co..... | 6 |
| Clark City.... | 3 | Drivers..... | 22 | C'l falling d'n sh'ft. | 1 | Big 4 Wilmington Coa Co | 6 |
| Coal City..... | 4 | Firemen | 2 | Crushed by mules .. | 2 | C. W. & V. Coal Co | 91 |
| Diamond | 16 | Miners | 166 | Falling coal | 58 | Eagle Clay Works Mine.. | 1 |
| Fairbury..... | 1 | Roadmen | 6 | Falling rails | 2 | Gardner & Wilm'g'n C. C. | 5 |
| Gardner..... | 2 | Sectionmen .. | 2 | Falling rock | 85 | James Cahills..... | 3 |
| Heenanville... | 1 | Teamster..... | 1 | Falling props | 3 | LaSalle County C. C. Co. | 25 |
| Kangley..... | 11 | Timbermen .. | 2 | Fal ing down shaft | 1 | Marseilles L. & W. P. Co. | 1 |
| LaSalle..... | 21 | Top man..... | 1 | Flame of amp..... | 2 | M. & H. Zinc Co | 1 |
| Marseilles | 1 | Trappers | 2 | Gas explosion..... | 9 | Oglesby Coal Co | 11 |
| Oglesby..... | 11 | Water-bailer .. | 1 | Hammer..... | 1 | Prairie Creek Coal Co | 1 |
| Peru | 8 | Weighman ... | 1 | Hurt by picks..... | 2 | Richard Evans & Sons... | 2 |
| Pontiac | 2 | | | Jumping f'm land'g | 1 | Rynn & Roberts | 1 |
| Spring Hill... | 3 | | | Kicked by mules... | 2 | Star Coal Co..... | 35 |
| Streator..... | 30 | | | Pit cars..... | 35 | Walton Bros | 1 |
| Suffernville .. | 2 | | | Premature blast ... | 1 | William Howe & Co | 1 |
| | | | | Railroad car..... | 1 | William Maltby | 2 |
| | | | | Water box..... | 1 | Wilm'on Min'g & Mfg. Co | 19 |
| | | | | Wedges..... | 2 | | |
| Totals..... | 215 | | 215 | | 215 | | 215 |

The county tables follow, which, with the district recapitulation completes the report for the First Inspection District for the year ending July 1, 1896.

All of which is respectfully submitted.

JAMES A. KEATING,

State Inspector of Mines, First District.

Grundy County—First District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Chi. Mil. & St. Paul, No. 4. | Braceville | Braceville | S | 103 | 3.2 | 75. | Sh. | L. W. | H. |
| 2 | W. Star Mining Co., No. 3. | Coal City | Coal City | | 115 | 3. | 7. | | | |
| 3 | No. 5. | | | | 128 | 3. | 6. | | | |
| 4 | Star Coal Co., No. 1. | Carbon Hill. | Streator | | 96 | 3. | 20. | | | |
| 5 | No. 2. | | | | 98 | 3. | 45. | | | |
| 6 | No. 3. | | | | 99 | 3. | 30. | | | |
| 7 | C., W., & V. Coal Co., P shift | Braidwood. | Braidwood. | | 115 | 3. | 29. | | | |
| 8 | R shift | | | | 99 | 3. | 1.8 | | | |
| 9 | W. Mfg Coal & M. Co., No. 4 | Diamond. | Diamond. | | 105 | 3. | 39. | | | |
| 10 | Gard. & Wil. Coal Co., No. 1 | Gardner | Gardner | | 210 | 3. | 11. | | | |
| 11 | Big 4 Wil. Coal Co. Maria. | Coal City. | Coal City. | | 90 | 3. | 40. | | | |
| 12 | James Heather. | Morris. | Morris | L | 35 | 2. | .5 | | R. P. | |
| 13 | A. W. Telfer, No. 4. | | | | 66 | 2.8 | .63 | | | |
| 14 | Griffith & Wren. | | | | 24 | 2.6 | .75 | | | |
| 15 | Alexander Bell, No. 2. | | | | 41 | 2.6 | .28 | | | |
| 16 | J. J. Espley. | | | | 60 | 3. | .66 | | | |
| 17 | William Woods. | | | | 70 | 2.4 | 1.2 | | | |
| 18 | Harry Kay, No. 1. | | | | 80 | 3.6 | .35 | | | |
| 19 | No. 2. | | | | 60 | 3.6 | .71 | | | |
| 20 | Frank Gilbride. | | | | 80 | 3.2 | .85 | | | |
| 21 | Thomas Scott & Sons. | | | | 32 | 3.3 | .26 | | | |
| 22 | Joseph D. Maher. | | | | 60 | 3. | .35 | | | |
| 23 | Howe & George. | | | | 40 | 2.6 | .28 | | | |
| 24 | George Burt. | | | | 40 | 2.4 | .33 | | | |
| 25 | John Telfer. | | | | 25 | 2.6 | .14 | | | |
| 26 | George R. Blair, No. 4. | | | | 23 | 2.7 | .21 | | | |
| 27 | James Cryer. | | | | 40. | 3. | .98 | | | |
| Totals..... | | | | | | | 321.78 | | | |
| Averages..... | | | | | | | | | | |

Kankakee County—First District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Gardner & Wilmington. | Clark City. | Gardner. | S | 106 | 4.8 | 18.2 | Sh. | R. P. | B |
| 2 | William Treasure. | Essex. | Essex. | L | 67 | 2.8 | .30 | | | H |
| Totals..... | | | | | | | 18.50 | | | |
| Averages..... | | | | | | | | | | |

Grundy County 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|--|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 610 | 610 | 30 | 30 | 15 | S.M. | .90 | 1 | 7 | 340,598 | 307,553 | 33,045 | \$1 25 | 255 | \$0.45 | 30 | |
| 2 | 130 | 56 | 7 | 5 | 4 | .. | .85 | 1 | .. | 28,595 | 26,675 | 1,920 | 1 12 | 131 | 40 | 78 | |
| 3 | 77 | 59 | 7 | 5 | 6 | .. | .85 | .. | .. | 25,499 | 24,474 | 1,025 | 1 12 | 155 | 40 | 66 | |
| 4 | 328 | 265 | 6 | 6 | 6 | .. | .86 ¹ / ₂ | 1 | 3 | 78,503 | 67,904 | 10,599 | 1 02 | 91 | 40 | 140 | |
| 5 | 660 | 500 | 13 | 13 | 13 | .. | .88 ³ / ₄ | .. | 4 | 153,252 | 135,017 | 18,235 | 1 02 | 138 | 40 | 210 | |
| 6 | 360 | 318 | 9 | 9 | 9 | .. | .85 | .. | 9 | 110,273 | 94,423 | 15,850 | 1 02 | 140 | 40 | 190 | |
| 7 | 380 | 380 | 13 | 13 | 2 | .. | .95 | .. | 43 | 117,000 | 111,141 | 5,859 | 1 20 | 193 | 40 | 180 | |
| 8 | 116 | 116 | 10 | 10 | .. | .. | .95 | 2 | 3 | 5,291 | 5,039 | 252 | 1 20 | 13 | 45 | .. | |
| 9 | 495 | 395 | 25 | 25 | 35 | .. | .92 | 1 | 19 | 157,372 | 145,162 | 12,210 | 1 25 | 134 | 50 | 50 | |
| 10 | 159 | 113 | 7 | 6 | 6 | .. | .88 | .. | 2 | 45,289 | 40,539 | 4,750 | 1 20 | 213 | 50 | 50 | |
| 11 | 457 | 345 | 18 | 16 | 9 | .. | .92 | 2 | 6 | 164,382 | 146,936 | 17,446 | 1 25 | 124 | 60 | 7 | |
| 12 | 4 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 1,200 | 1,200 | .. | 2 00 | 150 | 45 | .. | |
| 13 | 11 | 9 | 2 | 2 | .. | .. | 1.00 | .. | .. | 2,150 | 1,450 | 700 | 2 00 | 208 | 45 | .. | |
| 14 | 4 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 1,600 | 1,300 | 300 | 2 00 | 300 | 75 | .. | |
| 15 | 3 | 1 | 1 | 1 | .. | M. | 1.00 | .. | .. | 600 | 500 | 100 | 2 00 | 100 | 80 | .. | |
| 16 | 8 | 6 | 1 | 1 | .. | .. | 1.00 | .. | .. | 1,959 | 1,759 | 200 | 1 91 | 230 | 75 | .. | |
| 17 | 6 | 2 | 1 | 1 | .. | S.M. | 1.00 | .. | .. | 2,120 | 1,870 | 250 | 2 15 | 201 | 75 | .. | |
| 18 | 3 | 3 | 1 | 1 | .. | W. | 1.00 | .. | .. | 1,050 | 1,000 | 50 | 2 25 | 100 | 70 | .. | |
| 19 | 8 | 6 | 1 | 1 | .. | .. | 1.00 | .. | .. | 2,100 | 2,000 | 100 | 2 00 | 200 | 70 | .. | |
| 20 | 8 | 1 | 1 | 1 | .. | .. | 1.00 | .. | .. | 2,140 | 2,020 | 120 | 2 25 | 212 | 80 | .. | |
| 21 | 3 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 733 | 733 | .. | 2 12 | 150 | 75 | .. | |
| 22 | 7 | 4 | 1 | 1 | .. | .. | 1.00 | .. | .. | 900 | 825 | 75 | 2 00 | 125 | 60 | .. | |
| 23 | 4 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 600 | 600 | .. | 2 00 | 100 | 50 | .. | |
| 24 | 4 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 644 | 528 | 116 | 2 00 | 217 | 70 | .. | |
| 25 | 3 | 3 | 1 | 1 | .. | M. | 1.00 | .. | .. | 300 | 300 | .. | 2 00 | 100 | 70 | .. | |
| 26 | 2 | 2 | 1 | 1 | .. | W. | 1.00 | .. | .. | 450 | 421 | 29 | 2 25 | 158 | 70 | .. | |
| 27 | 4 | 2 | 1 | 1 | .. | .. | 1.00 | .. | .. | 2,794 | 2,494 | 300 | 2 25 | 170 | 70 | .. | |
| .. | 3,858 | 3,208 | 163 | 155 | 101 | ..... | ..... | 8 | 96 | 1,247,394 | 1,123,863 | 123,531 | ..... | ..... | ..... | 1,001 | |
| .. | .. | .. | .. | .. | .. | ..... | ..... | .. | .. | .. | .. | .. | \$1 19 | 168 | ..... | ..... |  |

Kankakee County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 142 | 142 | 20 | 20 | 9 | S. | .61 | .. | 3 | 71,769 | 44,063 | 27,706 | \$1 00 | 117 | 50 | 800 |
| 2 | 8 | 2 | 2 | 2 | ..... | M. | 1.00 | .. | .. | 626 | 626 | ..... | 2 00 | 140 | 50 | ..... |
| .. | 150 | 144 | 22 | 22 | 9 | ..... | ..... | .. | 3 | 72,395 | 44,689 | 27,706 | ..... | ..... | ..... | 800 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 014 | 129 | 50 | ..... |

LaSalle County—First District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|--------------------|--|---|---|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | D. pth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | James Cahill..... | Peru..... | Peru..... | B. | 350 | 3.0 | 15.5 | Sh. | L. W. | H. |
| 2 | LaSalle C. C. Co..... | LaSalle..... | LaSalle..... | Sh. | 392 | 3.6 | 26 | " | " | " |
| 3 | " "..... | Rockwell..... | "..... | " | 375 | 3.6 | 16 | " | " | " |
| 4 | " "..... | Unlon..... | "..... | B. | 390 | 3.6 | 24.3 | " | " | " |
| 5 | " "..... | No. 1..... | "..... | Sh. | 440 | 3.6 | 27.3 | " | " | " |
| 6 | M. & H. Zinc Co..... | LaSalle..... | "..... | L. | 310 | 4.6 | 15 | " | R. P. | B. |
| 7 | Oglesby Coal Co..... | Oglesby..... | Oglesby..... | Sh. | 464 | 3.9 | 25 | " | L. W. | H. |
| 8 | Star Coal Co. No. 2..... | Kangley..... | Streator..... | " | 86 | 5.6 | 43.5 | " | R. P. | " |
| 9 | " "..... | Spring Hill..... | "..... | " | 135 | 3.0 | 12 | " | L. W. | " |
| 10 | C. W. & V. Coal Co. No. 1..... | Heenanville..... | "..... | " | 96 | 8.0 | 21 | " | R. P. | " |
| 11 | " "..... | No. 2..... | Streator..... | " | 116 | 6.0 | 14 | " | " | " |
| 12 | Chas. Scott..... | Heenanville..... | Kangley..... | L. | 75 | 8.6 | 0.21 | " | " | " |
| 13 | William Howe & Co..... | Streator..... | Streator..... | B. | 50 | 5.0 | 3.29 | " | " | " |
| 14 | Acme Coal Co..... | "..... | "..... | " | 110 | 6.6 | 13.7 | " | " | " |
| 15 | J. B. Plumb..... | Eagle C. W'ks..... | "..... | L. | 200 | 2.10 | .08 | " | " | " |
| 16 | Prairie Creek Coal Co..... | Streator..... | "..... | Sh. | 100 | 5.6 | 4.37 | " | " | " |
| 17 | Baer & Roberts..... | Otter Creek..... | "..... | L. | 65 | 4.0 | .29 | " | " | " |
| 18 | Price & Jones..... | Streator..... | "..... | Sh. | 32 | 5.0 | 1.06 | " | " | " |
| 19 | Rynn & Roberts..... | "..... | "..... | L. | 30 | 4.10 | .36 | " | " | " |
| 20 | Nelson & Westerland..... | "..... | "..... | " | 35 | 4.10 | .98 | " | " | " |
| 21 | W. D. Thorne..... | "..... | "..... | " | 50 | 4.6 | .11 | Sl. | " | " |
| 22 | Myers & Castetter..... | "..... | "..... | " | 35 | 4.0 | .29 | Dr. | " | " |
| 23 | Robert Haswell..... | "..... | "..... | " | 30 | 4.6 | .02 | " | " | " |
| 24 | Frank Hirst..... | "..... | "..... | " | 52 | 5.0 | .18 | Sh. | " | " |
| 25 | Vipond & Edmunds..... | "..... | "..... | " | 45 | 5.0 | .05 | Sl. | " | " |
| 26 | Hudson & Stubbs..... | "..... | "..... | " | 30 | 4.6 | .57 | " | " | " |
| 27 | G. W. Gallaway & Heinze..... | "..... | "..... | " | 40 | 5.6 | .22 | " | " | " |
| 28 | Sawerby Bros..... | "..... | "..... | " | 40 | 4.6 | .29 | Sh. | " | " |
| 29 | William Penman..... | "..... | "..... | " | 44 | 4.0 | .09 | " | " | " |
| 30 | Benjamin Davis..... | "..... | "..... | " | 35 | 4.6 | .21 | " | " | " |
| 31 | R. D. Lyons..... | Riverside..... | "..... | " | 25 | 4.6 | .02 | " | " | " |
| 32 | Emerson Hakes..... | Rutland..... | Rutland..... | Sh. | 500 | 2.10 | 12.4 | Sh. | L. W. | " |
| 33 | Marseilles L. & W. Co..... | Marseilles..... | Marseilles..... | " | 120 | 2.10 | 2.7 | " | " | " |
| 34 | Standard Coal Co..... | Seneca..... | Seneca..... | " | 100 | 2.9 | 3.18 | " | " | " |
| 35 | C. J. Smith..... | South Ottawa..... | Ottawa..... | L. | 45 | 2.4 | .07 | Sl. | R. P. | " |
| 36 | Frank Frost..... | "..... | "..... | " | 90 | 2.6 | .12 | D. | " | " |
| 37 | F. M. Fishburn..... | "..... | "..... | " | 70 | 2.4 | .08 | " | " | " |
| 38 | John Delbridge..... | "..... | "..... | " | 40 | 2.2 | .18 | " | " | " |
| 39 | James McCollough..... | "..... | "..... | " | 40 | 2.4 | .15 | " | " | " |
| Totals..... | | | | | | | 284.87 | | | |
| Averages..... | | | | | | | | | | |

LaSalle County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car, for which miner receives pay. | AC-CI-D'TS | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|--------------|---------|--|---|--|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | |
| 1 | 184 | 164 | 14 | 14 | 6 | S-M. | 1.00 | 1 3 | 73,000 | 64,000 | 9,000 | \$1 34 | 200 | \$0 45 | ..... |
| 2 | 274 | 242 | 27 | 27 | 14 | .. | 1.00 | .. 4 | 121,256 | 103,032 | 18,224 | 1 22 | 190 | 40 | ..... |
| 3 | 228 | 196 | 20 | 20 | 7 | .. | 1.00 | 1 6 | 75,470 | 63,958 | 11,512 | 1 23 | 155 | 40 | ..... |
| 4 | 348 | 247 | 34 | 34 | 17 | .. | 1.00 | 1 8 | 114,594 | 97,194 | 17,400 | 1 23 | 162 | 40 | ..... |
| 5 | 369 | 319 | 31 | 31 | 8 | .. | 1.00 | .. 7 | 139,273 | 118,227 | 21,046 | 1 22 | 170 | 40 | ..... |
| 6 | 72 | 90 | 9 | 9 | ..... | W. | 1.00 | .. 1 | 56,920 | 56,920 | ..... | ..... | 195 | 52 | 1,920 |
| 7 | 202 | 228 | 30 | 26 | 21 | S-M. | .83 | .. 11 | 119,445 | 99,538 | 19,907 | 1 19 | 183 | 60 | 10 |
| 8 | 535 | 412 | 15 | 15 | 16 | .. | .71 | 1 5 | 201,970 | 141,559 | 60,411 | 98 ¹ / ₂ | 211 | 40 | 2,500 |
| 9 | 170 | 135 | 7 | 7 | 4 | .. | .88 ¹ / ₂ | .. 13 | 48,406 | 42,819 | 5,587 | 1 01 | 218 | 40 | 145 |
| 10 | 348 | 295 | 20 | 18 | 4 | .. | .75 | 1 12 | 169,689 | 135,749 | 33,940 | 1 00 | 137 | 35 | 4,243 |
| 11 | 390 | 353 | 12 | 10 | 5 | .. | .75 | 1 5 | 84,858 | 67,885 | 16,973 | 1 00 | 114 | 35 | 1,290 |
| 12 | 6 | 1 | 1 | 1 | ..... | W. | 1.00 | ..... | 1,833 | 1,833 | ..... | 1 25 | 150 | 40 | 30 |
| 13 | 28 | 21 | 3 | 3 | ..... | S-M. | 1.00 | .. 1 | 13,901 | 10,001 | 3,900 | 1 20 | 150 | 40 | 110 |
| 14 | 145 | 141 | 10 | 10 | ..... | M. | .68 ¹ / ₂ | .. 2 | 75,202 | 51,526 | 23,676 | 1 00 | 200 | 40 | 520 |
| 15 | 4 | 4 | 1 | 1 | ..... | S-M. | 1.00 | .. 1 | 200 | 200 | ..... | ..... | 30 | 40 | 20 |
| 16 | 126 | 98 | 12 | 12 | 1 | M. | .90 | 1 1 | 20,329 | 18,329 | 2,000 | 1 05 | 149 | 40 | 270 |
| 17 | 3 | 3 | 1 | 1 | ..... | .. | 1.00 | ..... | 1,000 | 525 | 475 | 1 25 | 80 | 40 | 12 |
| 18 | 25 | 5 | 4 | 2 | ..... | S-M. | 1.00 | 1 .. | 6,760 | 5,032 | 1,728 | 1 30 | 131 | 40 | 55 |
| 19 | 8 | 2 | 1 | 1 | ..... | .. | 1.00 | .. 1 | 1,500 | 1,200 | 300 | 1 45 | 170 | 35 | 26 |
| 20 | 7 | 4 | 1 | 1 | ..... | W. | 1.00 | ..... | 4,000 | 2,500 | 1,500 | 1 40 | 225 | 40 | 8 |
| 21 | 4 | 1 | 1 | 1 | ..... | .. | 1.00 | ..... | 437 | 370 | 67 | 1 50 | 150 | 40 | 4 |
| 22 | 4 | 2 | .. | .. | ..... | .. | 1.00 | ..... | 993 | 933 | 60 | 1 40 | 150 | 40 | ..... |
| 23 | 1 | 1 | .. | .. | ..... | .. | 1.00 | ..... | 100 | 100 | .. | 1 00 | 70 | 35 | ..... |
| 24 | 8 | 2 | 1 | 1 | ..... | .. | 1.00 | ..... | 770 | 700 | 70 | 1 35 | 175 | 40 | 2 |
| 25 | 2 | 2 | .. | .. | ..... | .. | 1.00 | ..... | 250 | 250 | .. | 1 40 | 80 | 40 | 5 |
| 26 | 6 | 3 | 1 | 1 | ..... | .. | 1.00 | ..... | 2,162 | 1,962 | 200 | 1 30 | 275 | 50 | 16 |
| 27 | 4 | .. | .. | .. | ..... | .. | 1.00 | ..... | 1,050 | 800 | 250 | 1 45 | 150 | 50 | 5 |
| 28 | 3 | 3 | 1 | 1 | ..... | .. | 1.00 | ..... | 1,120 | 745 | 375 | 1 25 | 245 | 40 | 28 |
| 29 | 2 | 2 | .. | .. | ..... | .. | 1.00 | ..... | 330 | 330 | .. | 1 00 | 150 | 40 | ..... |
| 30 | 4 | 2 | 1 | 1 | ..... | .. | 1.00 | ..... | 800 | 542 | 258 | 1 25 | 246 | 40 | ..... |
| 31 | 3 | .. | .. | .. | ..... | .. | 1.00 | ..... | 100 | 80 | 20 | 1 10 | 80 | 40 | 4 |
| 32 | 102 | 77 | 12 | 10 | 2 | M. | .82 | 1 .. | 47,500 | 39,000 | 8,500 | 1 25 | 280 | 70 | 10 |
| 33 | 30 | 30 | 3 | 3 | 3 | S-M. | 1.00 | .. 1 | 10,500 | 10,500 | ..... | 1 00 | 300 | 50 | 25 |
| 34 | 48 | 25 | 7 | 4 | 1 | .. | .86 ¹ / ₄ | .. .. | 12,162 | 11,100 | 1,062 | 1 46 | 188 | 55 | 10 |
| 35 | 6 | .. | .. | .. | ..... | W. | 1.00 | ..... | 150 | 150 | ..... | 1 75 | 100 | 60 | 4 |
| 36 | 2 | .. | .. | .. | ..... | .. | 1.00 | ..... | 255 | 255 | ..... | 1 25 | 160 | 50 | 3 |
| 37 | 1 | .. | .. | .. | ..... | .. | 1.00 | ..... | 154 | 154 | ..... | 1 25 | 100 | 60 | 3 |
| 38 | 3 | .. | .. | .. | ..... | .. | 1.00 | ..... | 350 | 350 | ..... | 1 25 | 100 | 60 | 6 |
| 39 | 2 | .. | .. | .. | ..... | .. | 1.00 | ..... | 296 | 246 | 50 | 1 30 | 125 | 55 | 2 |
| .. | 3,797 | 3,112 | 280 | 265 | 109 | ..... | ..... | 9 82 | 1,409,085 | 1,150,594 | 258,491 | ..... | ..... | ..... | 11,276 |
| .. | .. | .. | .. | .. | .. | ..... | ..... | ..... | .. | .. | .. | \$1 13 | 176 | ..... | ..... |

Livingston County—First District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|--------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Richard Evans & Sons..... | Pontiac..... | Pontiac..... | B. | 464 2.8 | 8.45 | Sh. | L. W. | H. | |
| 2 | John T. Henry..... | .. | .. | L. | 200 5.0 | .61 | .. | R. P. | .. | .. |
| 3 | Walton Bros..... | Fairbury..... | Fairbury..... | Sh. | 180 5.0 | 7.7 | .. | .. | .. | .. |
| 4 | Co-operative Coal Co..... | .. | .. | B. | 165 5.0 | 1.8 | .. | .. | .. | .. |
| 5 | Barrackman Coal Co..... | Coalville..... | Streator..... | Sh. | 70 4.6 | 11.6 | .. | .. | .. | .. |
| 6 | Streator Clay Mfg. Co..... | Newton Tp..... | .. | L. | 75 4.6 | 1.63 | .. | .. | .. | .. |
| 7 | Joseph Kilburn..... | .. | .. | .. | 27 4.6 | .18 | .. | .. | .. | .. |
| 8 | John Marshall..... | .. | .. | Sh. | 63 4.8 | 1.46 | .. | .. | .. | .. |
| 9 | C., W. & V. Coal Co. No. 3.. | .. | .. | .. | 85 5.6 | 16.64 | .. | .. | .. | .. |
| 10 | Alex Bergreen & Son..... | Pleasant Hill..... | .. | B. | 52 4.0 | .66 | .. | .. | .. | .. |
| 11 | Harry Smoek..... | .. | .. | L. | 50 4.0 | .18 | .. | .. | .. | .. |
| 12 | William Burrell..... | So. Streator.. | .. | .. | 60 4.10 | .23 | .. | .. | .. | .. |
| 13 | J. Massy & Son..... | .. | .. | .. | 60 4.6 | .15 | D. | .. | .. | .. |
| 14 | Thos. Edwards..... | Coalville..... | .. | .. | 65 4.0 | .22 | Sh. | .. | .. | .. |
| 15 | Silvester Kimes..... | .. | .. | .. | 42 4.0 | .45 | .. | .. | .. | .. |
| Totals (15 mines)..... | | | | .. | .. | .. | 51.96 | .. | .. | .. |
| Averages..... | | | | .. | .. | .. | .. | .. | .. | .. |

Will County—First District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | C., W. & V. Coal Co..... | Braidwood.... | Braidwood.... | Sh. | 87 3.0 | 17 | Sh. | L. W. | H. | |
| 2 | Co-operative Coal Co..... | .. | .. | L. | 55 2.10 | 1.18 | .. | .. | .. | .. |
| 3 | William Maltby | .. | .. | B. | 60 3.0 | 3.44 | .. | .. | .. | .. |
| Totals (3 mines)..... | | | | .. | .. | 21.62 | .. | .. | .. | .. |
| Averages..... | | | | .. | .. | .. | .. | .. | .. | .. |

Livingston County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'T'S | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|-------|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 79 | 57 | 7 | 6 | 7 | W. | 63½ | .. | 2 | 30,455 | 22,380 | 8,075 | \$1 45 | 240 | \$0 50 | 20 |
| 2 | 9 | 6 | 3 | 3 | .. | M. | 100 | .. | .. | 2,600 | 1,450 | 1,150 | 1 30 | 200 | 50 | 135 |
| 3 | 50 | 35 | 6 | 6 | .. | S.-M. | 100 | .. | 1 | 38,455 | 19,455 | 19,000 | 1 25 | 210 | 50 | 1,587 |
| 4 | 15 | 12 | 5 | 4 | 1 | M. | 100 | .. | .. | 7,938 | 5,198 | 2,740 | 1 40 | 160 | 60 | 412 |
| 5 | 26 | 46 | 4 | 4 | 2 | S.-M. | 74.4 | 1 | 1 | 44,011 | 32,588 | 11,423 | 1 00 | 164 | 50 | 382 |
| 6 | 17 | 17 | 4 | 4 | .. | Day. | .. | .. | .. | 6,200 | 6,200 | .. | 1 00 | 232 | 50 | 100 |
| 7 | 6 | 4 | 2 | 2 | .. | .. | 100 | .. | .. | 650 | 650 | .. | 1 22 | 80 | 50 | 7 |
| 8 | 12 | 9 | 2 | 2 | .. | M. | 100 | .. | .. | 5,750 | 5,750 | .. | 1 07 | 230 | 50 | 75 |
| 9 | 382 | 376 | 25 | 20 | 7 | S.-M. | 75½ | .. | 1 | 76,252 | 61,162 | 15,090 | 1 00 | 86 | 35 | 1,019 |
| 10 | 26 | 16 | 7 | 7 | .. | M. | 66.32 | .. | .. | 2,227 | 1,477 | 750 | 1 05 | 87 | 35 | 12 |
| 11 | 6 | 4 | 2 | 2 | .. | W. | 100 | .. | .. | 640 | 640 | .. | 1 25 | 80 | 40 | 10 |
| 12 | 6 | 6 | 2 | 2 | 1 | .. | 100 | .. | .. | 925 | 925 | .. | 1 40 | 77 | 40 | 8 |
| 13 | 4 | 2 | 1 | 1 | .. | .. | 100 | .. | .. | 600 | 600 | .. | 1 50 | 150 | 40 | 12 |
| 14 | 10 | 4 | 1 | 1 | .. | .. | 100 | .. | .. | 750 | 700 | 50 | 1 60 | 38 | 40 | 7 |
| 15 | 10 | 4 | 1 | 1 | .. | .. | 100 | .. | .. | 1,500 | 1,400 | 100 | 1 60 | 150 | 40 | 12 |
| | | | | | | | | | | 218,953 | 160,575 | 58,378 | .. | .. | .. | 3,798 |
| | | | | | | | | | | .. | .. | .. | \$1.125 | 193 | .. | .. |

Will County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'T'S | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 235 | 235 | 12 | 12 | 1 | S.-M. | 95 | .. | 27 | 68,500 | 65,091 | 3,409 | \$1 20 | 139 | \$0 50 | ..... |  |
| 2 | 27 | 20 | 1 | 1 | ..... | .. | 100 | .. | .. | 4,500 | 3,500 | 1,000 | 2 00 | 180 | 50 | ..... |  |
| 3 | 41 | 36 | 5 | 4 | 4 | .. | 80 | .. | 2 | 13,951 | 11,394 | 2,551 | 1 35 | 160 | 50 | 1 | |
| | | | | | | | | | | 86,951 | 79,985 | 6,966 | ..... | ..... | ..... | ..... |  |
|  |  |  |  |  |  |  |  |  |  | ..... | ..... | ..... | \$1.256 | 160 | ..... | ..... |  |

SECOND INSPECTION DISTRICT—1896.

MR. GEORGE A. SCHILLING,

Secretary of the Bureau of Labor Statistics, Springfield, Ill.:

SIR:—I herewith submit the annual report for the Second District, as required by section 12 of the Mining Law.

This report gives the number of mines in operation, shipping and local, number of tons of coal mined, number of fatal and non-fatal accidents, number of miners employed and the number of other employes in and about the mines, together with such matters pertaining to coal mining which is of interest to the public.

The following summaries for the district are given:

| | |
|---|-----------|
| Total number of mines..... | 196 |
| Total number of shipping mines..... | 49 |
| Total number of local mines..... | 137 |
| Number of new mines..... | 13 |
| Number of mines abandoned..... | 33 |
| Average number of miners employed..... | 4,767 |
| Highest number of miners employed..... | 5,554 |
| Number of all other employes under ground..... | 676 |
| Number employed above ground..... | 558 |
| Boys under 16 years employed under ground..... | 144 |
| Total tons of all grades sold or consumed..... | 2,690,220 |
| Total tons of lump coal produced..... | 2,146,567 |
| Total tons other grades..... | 543,660 |
| Number of accidents..... | 141 |
| Number of fatal accidents..... | 11 |
| Number of non-fatal accidents..... | 130 |
| Number of tons produced to each fatal accident..... | 244,565 |
| Number of tons produced to each non-fatal accident..... | 20,694 |
| Number of wives made widows..... | 6 |
| Number of children made fatherless..... | 23 |
| Number of mining machines in use in the district..... | 5 |
| Number of men employed in machine mines..... | 88 |
| Number of tons produced by machines..... | 19,769 |
| Estimated number of acres worked out during the year..... | 589 |
| Number of kegs of powder consumed..... | 46,665 |

Comparative table of total products of all grades for years ending July 1, 1895 and 1896:

| COUNTIES. | 1895. All grades | 1896. All grades | Increase, tons. | Decrease, tons. |
|-------------------|---------------------|---------------------|--------------------|--------------------|
| Bureau..... | 834,541 | 1,042,304 | 207,763 | |
| Henry..... | 135,967 | 136,415 | 448 | |
| Marshall..... | 346,281 | 389,429 | 43,148 | |
| Mercer..... | 462,011 | 450,071 | | 11,940 |
| Peoria..... | 437,457 | 457,061 | 19,604 | |
| Rock Island..... | 45,585 | 34,065 | | 11,520 |
| Stark..... | 22,131 | 18,085 | | 4,046 |
| Woodford..... | 131,577 | 162,790 | 31,213 | |
| Totals..... | 2,415,550 | 2,690,220 | 302,776 | 27,506 |
| Net increase..... | | | 274,670 | |

Comparative table of total product of lump coal for years ending July 1, 1895 and 1896:

| COUNTIES. | 1895. Tons lump | 1896. Tons lump | Increase, tons. | Decrease, tons. |
|-------------------|--------------------|--------------------|--------------------|--------------------|
| Bureau..... | 716,313 | 833,644 | 117,331 | |
| Henry..... | 127,484 | 126,067 | | 1,417 |
| Marshall..... | 275,070 | 302,779 | 27,709 | |
| Mercer..... | 348,681 | 309,604 | | 39,077 |
| Peoria..... | 381,883 | 378,704 | | 3,179 |
| Rock Island..... | 42,237 | 32,304 | | 9,933 |
| Stark..... | 22,131 | 18,085 | | 4,046 |
| Woodford..... | 116,416 | 145,380 | 28,964 | |
| Totals..... | 2,030,215 | 2,146,567 | 114,004 | 57,652 |
| Net increase..... | | | 116,352 | |

Comparative table of product of other grades of coal for years ending July 1, 1895 and 1896:

| COUNTIES. | 1895. Other grades, tons. | 1896. Other grades, tons. | Increase, tons. | Decrease, tons. |
|-------------------|---------------------------------|---------------------------------|--------------------|--------------------|
| Bureau..... | 118,228 | 208,660 | 90,432 | |
| Henry..... | 8,483 | 10,348 | 1,865 | |
| Marshall..... | 71,211 | 86,650 | 15,439 | |
| Mercer..... | 113,330 | 140,467 | 27,137 | |
| Peoria..... | 55,574 | 78,357 | 22,783 | |
| Rock Island..... | 3,348 | 1,761 | | 1,587 |
| Stark..... | | | | |
| Woodford..... | 15,141 | 17,410 | 2,269 | |
| Totals..... | 385,315 | 543,653 | 159,925 | 1,587 |
| Net increase..... | | | 158,338 | |

Labor Troubles.—The miners at Sholl Bros. mine, near Hollis, Peoria county, were notified that after January 25, 1896, the price for digging would be reduced from 51 to 45 cents per ton, mine run. On that day they came out on a strike, but after staying out until March 1, they returned to work at the reduced price. At the same time the miners at Wolschlags mine, Hollis, came out for the same cause, but were only out a short time when they formed a co-operative company with Mr. Wolschlag and went back to work. On April 1, 1896, the miners at Newsam Bros. mine, Kingston mines, Peoria county, came out on strike. They were receiving up to that time 67½ cents per ton, screened coal. The owners of the mine claimed that on account of machine mined coal going into the same market it was impossible to pay that price. The men started to work at 52 cents per ton, but only worked a few days when they came out again. The mine was then shut down and equipped with electric mining machines.

The loaders and blasters at the Reed City mine were reduced from 32 to 27 cents per ton, and after being out a short time returned to work at 27 cents per ton, mine run, for blasting, loading and propping the rooms and furnishing their own powder.

New Mines.—Isaac Wantling & Son have put down a new shaft at Pottstown, Peoria county, on the Peoria branch of the C. B. & Q. R. R. to No. 2 seam of the Illinois geological section. The coal was found at a depth of 109

feet below the surface, and is an average thickness of 32 inches. Excellent quality. The shaft is 7x14 feet, and is timbered on the "crib" style from the top to bottom, making a very strong and durable shaft. The tower, engine, boiler, etc., are of the best; a pair of geared Litchfield engines, 12x16 inch cylinders, a Litchfield fan, 12 feet in diameter, altogether making a very good equipment. At present writing the mine has been developed sufficiently to employ 36 men, with the prospects of being able to employ 100 by the first of October.

Spring Valley Coal Company have just completed a new shaft to the workings of their No. 1 shaft, which burned down on November 28, 1894. After an ineffectual attempt to reopen No. 1 they abandoned it and sunk another 250 feet east of the old one. It is being equiped with a steel tower and every precaution will be taken to prevent fire in the future. A brick wall with stone foundation is built at the bottom for a distance of about 200 feet on each side of the shaft, and steel I beams 15 inches deep are set on top of the wall to support the roof. A 12½ foot in diameter Capell fan, said to have a capacity of 100,000 cubic feet of air per minute, will furnish ventilation to the mine.

In Rock Island county, near Milan, David Walsh has put down a new shaft and is now pushing the work of opening up with a view of using it the coming winter and abandoning the old one.

J. M. Robinson of Elmira, Stark county, has completed sinking a new shaft to No. 6 seam of the Illinois geological section, but has not commenced to open up yet. The shaft has been allowed to fill up with water. He expects to get the water out and open up this fall.

In Rock Island county, near Blossomburg, Stoddard & Barr have opened up the old Park & Hilliar mine and are driving entry into a new field of coal. They are employing 15 men and expect to increase the force to 50 this fall.

Abandoned Mines.—A number of mines in this district have been abandoned during the past year. Principal among which is the New Milliard mine No. 3 of Peoria; Lowery's No's 1 and 2 Orchard mines, Peoria county; Isaac Wantling & Son's Slope, Pottstown, Peoria county; Sholl Bros. shaft No. 2, Hollis, Peoria county. These were all shipping mines and have been abandoned permanently, except Lowery's No's 1 and 2 Orchard mines, which may be opened up again when the trade will justify. A number of local mines throughout the district have been abandoned principally on account of being worked out and the dull trade would not justify the opening of new ones to take their place.

Escapements have been sunk by the following persons:

| | |
|--------------------------|------------------|
| Fred Mohn..... | Peoria..... |
| Messmore & Anderson..... | Kewanee..... |
| W. H. Lyle..... | Kewanee..... |
| Robert Taylor..... | Princeville..... |
| G. W. Saunders..... | Brimfield..... |
| Harry Storry..... | Wyoming..... |

I found a number of mines that had escape shafts but no means of getting the men out were it necessary. These I caused to build stairways and otherwise equip their escapements according to law.

On assuming the duties of Mine Inspector of the Second District I found that at a number of large mines the law governing the hoisting and lowering of men was not being complied with. In some instances men were allowed to do their own signalling and take the chances of getting safely on the cage. I called the attention of the mine operators to these violations of the law, and posted up extracts of the law at the top and bottom of mines, and will say that in nearly every instance the operators are endeavoring to comply with that portion of the law.

Accidents.—The number of fatal accidents this year is eleven. Five of the killed were single and six married. The latter leaving 24 persons dependent.

The following is a detailed report of the manner in which each lost his life:

✓ November 1, 1895, Wm. Cook, aged 64, married, was fatally injured by a fall of rock while taking down some loose coal in his place, in John Summer-son's mine, near Blossomburg, Henry county. He was injured about 5 o'clock p. m., and died about 9:30 the same evening. He left a widow and three married children, two sons and one daughter.

✓ December 5, 1895, Joseph Guest, Jr., aged 20 years, unmarried, was killed by falling down No. 2 shaft of the Spring Valley Coal Co., Spring Valley, Bureau county. Deceased had been working all night, and came up on the west cage with nine others about 5 o'clock a. m. When he stepped off the cage at the upper landing, he turned to the left and walked into the east chamber of the shaft, falling a distance of 342 feet. The gate on the east chamber of the shaft being up about five and one-half feet, leaving the chamber unprotected. The shaft being the upcast, a cloud of steam was hanging over it, making it difficult for the men to see their way from the cage in the dark. There were no lights around the top, nor no man to safely see the men off the cages, as required by law.

✓ December 23, 1895, at No. 3 shaft of the Spring Valley Coal Co., Spring Valley, Bureau county, a laborer, named Jacob Cewe, was killed by falling down the shaft. The deceased, with some other laborers and the night top cager, was sending down timber from the lower landing. They had only one more cage of props to send down. The car was on the track leading to the north cage, when the cager heard the cage land on the stops, and thinking it was the north cage, opened the gate leading into that chamber, and went back and assisted the deceased to push forward the car. The cage having landed on the south side, they pushed the car of props into the empty chamber, and the deceased fell to the bottom with the car and was instantly killed. He was 22 years of age, and single. Jacob Grudes, the top cager, seized the signal lever, and thereby saved himself from falling in along with the deceased. The evidence showed that the top was well lighted.

✓ On January 13, 1896, at the White Breast Fuel Co.'s mine at Ladd, Bureau county, Dominick Bugni, an Italian miner, aged 61 years, was fatally injured while moving his tools from one part of the mine to another. While passing a driver at a parting, he was told to put his tools in a car, and not to go in ahead of the mule, as it was a new mule the driver was breaking in; but he paid no heed, or did not understand, and passed on. When he got about 250 feet ahead of the driver, the mule started up and ran away. De-

ceased got to a switch and stepped in, as he supposed out of the way, but the car jumped the track at the frog and caught his left leg between it and the cog, crushing it. The accident occurred about 9 o'clock a. m., and he died at 3 o'clock the following morning. He leaves a widow and five children in Italy, all dependent.

✓ On January 13, 1896, at Marquette Coal Co.'s mine, Marquette, Bureau county, Edward Sweeney, miner, married, aged 37 years, was fatally injured by a fall of coal in his room. He was setting a prop when the 'sprag' that was supporting the coal gave way, allowing the coal to fall on him. He lived until the 19th. Deceased leaves a wife and four children. One boy able to work.

✓ On February 10, 1896, at No. 2 shaft of the Spring Valley Coal Co., Spring Valley, Bureau county, George Rovorock, an Italian miner, aged 54, unmarried, was killed at the bottom of the shaft while waiting to be hoisted after his day's work. He was in a sitting position between two timbers, about four feet from the shaft, and while the cagers were cross-caging a trip of empty cars from the south to the north side of the shaft, the trip being pulled by a mule team, jumped the track and caught deceased's head between it and the timber, killing him instantly. Deceased had been told several times by the cager and others, to get to a more safe place, but being anxious to get on the cage as soon as he could, would not leave.

✓ On April 29, 1896, at Chicago & Minonk Coal & Tile Co.'s mine, at Minonk, Woodford county, George Lisiesieki, a Polish miner, aged 43, married, was killed by a fall of rock in his room. He had been working at the lower end of his room, and came to the road head to mine a little, while his "buddy" finished loading a car, preparatory to going home, when a piece of rock fell without warning, killing him instantly. The rock weighed about 2,500 pounds. It was exposed on two sides by "slips" running into each other at right angles. Deceased leaves a widow and three children, all dependent.

✓ On May 11, 1896, at Sholl Bros. mine, at Hollis, Peoria Co., Wm. Hoffman, miner, aged 57, married, was fatally injured. Deceased came late that morning, and instead of walking into his room, he jumped into the last car while the trip was going down the slope. It is supposed he had not got properly into the car, as he was struck by a trap door at the entrance and bruised internally. He lived until the 16th of May. The evidence showed that the company had repeatedly issued orders forbidding the men to ride down the slope. Deceased leaves a widow and four children, two of whom are able to work.

✓ On May 21, 1896, at The Blue Fly Mine, Pottstown, Peoria county, George Hancock, miner, aged 45, married, was fatally injured in a room he was going to start work in. The mine is a new one and is being opened up on the long wall system, a Jeffrey machine being used to undercut. Deceased, in company with Mr. Wantling, was sitting near the face of the room watching the machine and conversing with Mr. Wantling when he noticed a piece of soapstone hanging loose. He called Mr. Wantling's attention telling him to move from under it. In a few minutes after deceased went right under it himself, when it fell, the edge of it striking him on the back just be-

low the shoulders, severing the vertabræ. He was taken home and lingered until June 2d, and died, leaving a widow and six children, one of whom is able to work.

✓ On June 6, 1896, at Wenona Coal Co.'s mine at Wenona, John Coppin, driver, aged 25, unmarried, was fatally injured while attending to his duties in the above mine. Deceased, along with another driver named Geo. Bowers, had just started in from the engine plane "parting" with a trip of empty cars each. They had got about 75 feet inside of the above named 'parting' and were met by a train of loaded cars 25 in all that had run away from another 'parting' on top of a hill about 450 feet from the end of the engine plane. Deceased was so seriously injured that he never regained consciousness. He died on the 10th, four days after the accident. The 'parting' from which the loaded cars started is located on the top of a hill and a 'block' is used to prevent cars from running away, but it was not the especial duty of anyone to see that this 'block' was properly adjusted so as to hold the loads, and from the evidence obtained it seems the first one of the inside drivers that came to this 'parting' with a trip after the outside drivers had left was supposed to run ahead and adjust the 'block.' In this instance the driver, Mr. John Young, testified that he came into the 'parting' with a trip of four loaded cars followed closely by another driver with a loaded trip. He said that on bumping the loads that were already standing on the 'parting' he ran ahead to put in the 'block' but lost his light and while returning to get a light the train of loaded cars had started past the 'block' and down the hill crashing into the drivers who were coming in with empty trip. Such an accident as this can be clearly attributed to the desire of the management to run the mines at the lowest cost and without regard to the lives of their employés, as in this mine a competent man ought to have been in charge of that 'parting' and 'block.'

On June 9, 1896, at Zadoc Wynn's mine near Coal Valley, Rock Island county, John E. Kehoe, top laborer, aged 22, unmarried, was killed while attempting to place a piece of gas pipe across the top of the shaft to rest the water box on. The evidence shows that the engineer, Mr. Ziegler, was hoisting water out of the shaft by a box fastened under the cage and deceased was attending to the box as it came up, putting a piece of gas pipe across the shaft to rest the box on while it was being emptied and while pushing the pipe under the box the hoisting rope broke carrying deceased down the shaft a distance of 45 feet, killing him instantly.

The following tables give the details of the fatal and non-fatal accidents:

Total Casualties in and about Coal Mines in the Second District of Illinois, for the Year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Widow. | Children. | Single. | Persons dependent. | Cause of Accident. |
|----------|-------------------------|------|--------------|--------------------|---------------------------|----------|--------|-----------|---------|--------------------|---|
| 1895. | | | | | | | | | | | |
| November | 1 Wm. Cook..... | 64 | Miner..... | Coal Valley..... | Summersons..... | 1 | 1 | 3 | 1 | 1 | 1 Fall of rock in his room..... |
| December | 5 Joseph Guest, Jr..... | 20 | " | Spring Valley..... | No. 2..... | | | | | | Falling down shaft..... |
| | 23 Jacob Cewe..... | 22 | Laborer..... | " | No. 3..... | | | | | | " |
| 1896. | | | | | | | | | | | |
| January | 13 Dominick Bugni..... | 61 | Miner..... | Ladd..... | "B"..... | 1 | 1 | 5 | | 6 | Pit-car jumping track..... |
| | 13 Edward Sweeney..... | 36 | " | Marquette..... | Marquette..... | 1 | 1 | 3 | | 4 | Falling coal in his room..... |
| February | 10 Geo. Rovoric..... | 54 | " | Spring Valley..... | No. 2..... | | | | 1 | 4 | Caught by pit-car at bottom of shaft..... |
| | 29 Geo. Lisiesicki..... | 43 | " | Minonk..... | C. & M. C. & Tile Co..... | 1 | 1 | 3 | | 4 | Falling rock in his room..... |
| April | 11 Wm. Hoffman..... | 60 | " | Bartonville..... | Shells No. 1..... | 1 | 1 | 3 | | 2 | Caught by trap while riding on trip..... |
| May | 21 Geo. Hancock..... | 45 | " | Pottstown..... | Blue Pk..... | 1 | 1 | 6 | | 7 | Falling rock in his room..... |
| | 6 John Coppin..... | 25 | Driver..... | Wenona..... | Wenona..... | | | | 1 | 1 | Loaded trip running away..... |
| June | 9 John E. Kehoe..... | 22 | Laborer..... | Milan..... | Wynnis..... | | | | | | Falling down shaft..... |
| June | | | | | | | | | | | |
| | Totals..... | | | | | 6 | 6 | 23 | 5 | 24 | |

Recapitulation of Fatal Casualties—Second District—1896.

| Residence. | No. | Occupation. | No. | Cause. | No. | Colliery. | No. |
|-------------------|-----|--------------|-----|---------------------|-----|---------------------------|-----|
| Bartonville | 1 | Driver | 1 | Falling down shaft. | 3 | Wantling & Son..... | 1 |
| Coal Valley..... | 1 | Laborer..... | 2 | Falling rock..... | 3 | Chi. & Min'k C. & Tile Co | 1 |
| Ladd..... | 1 | Miner..... | 8 | Falling coal..... | 1 | Marquette Coal Co.,..... | 1 |
| Marquette..... | 1 | | | Cars jumping track | 2 | Sholl Bros..... | 1 |
| Milan..... | 1 | | | Riding on trip..... | 1 | Spring Valley Coal Co... | 3 |
| Minonk..... | 1 | | | Runaway trip..... | 1 | Summerson's..... | 1 |
| Pottstown..... | 1 | | | | | Whitebreast Fuel Co..... | 1 |
| Spring Valley... | 3 | | | | | Wenona Coal Co..... | 1 |
| Wenona..... | 1 | | | | | Z. Wynn's..... | 1 |
| Totals..... | 11 | | 11 | | 11 | | 11 |

Non-Fatal Casualties in and about Coal Mines in the Second District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Single. | Children. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost— Days. |
|-------|-----------------------------|------|--------------|---------------------|------------------------|----------|---------|-----------|---------------------------|--|---------------------|
| 1895. | | | | | | | | | | | |
| July | 8 Wm. Hopkins..... | 17 | Driver..... | Spring Valley | No. 1 | 1 | 1 | 1 | 1 | Hand hurt by fall chain. | * |
| " | 9 Robt. Meredith..... | 50 | Miner..... | Waukegan | No. 2 | 1 | 1 | 1 | 1 | Back hurt by falling rock. | * |
| " | 10 T. J. Porter..... | 40 | " | Toluca | Alden Coal Co | 1 | 1 | 3 | 4 | Foot hurt, fall of coal. | 20 |
| " | 10 Richard Morgan..... | 32 | " | Kewanee | No. 1 | 1 | 1 | 6 | 7 | Back hurt, fall of rock. | 9 |
| " | 10 Peter Anderson..... | 42 | " | Toluca | " | 1 | 1 | 1 | 1 | Ribs broken, fall of rock. | 75 |
| " | 13 Thos. Bradford..... | 29 | " | Toluca | " | 1 | 1 | 1 | 1 | Leg hurt by pit cars. | * |
| " | 19 Patrick Sheehan..... | 30 | Cager..... | Spring Valley | No. 3 | 1 | 1 | 2 | 3 | Hand hurt, fall of coal. | 20 |
| " | 25 Franz Biassa..... | 35 | Miner..... | Toluca | No. 1 | 1 | 1 | 2 | 1 | Leg broken fall of coal. | * |
| " | 26 John Duprez..... | 36 | " | " | " | 1 | 1 | 1 | 3 | Ankle hurt by pick. | 7 |
| " | 31 Wm. Lewis..... | 50 | " | " | " | 1 | 1 | 1 | 1 | Hand hurt, fall of rock. | 59 |
| Aug. | 20 Geo. Urchison..... | 40 | " | Gilechrist | Empire Coal Co. | 1 | 1 | 2 | 1 | Arm and hand hurt, fall of rock. | 18 |
| " | 21 Andrew Boroski..... | 35 | " | Spring Valley | No. 4 | 1 | 1 | 1 | 1 | Collar bone broken by shot. | 36 |
| " | 23 John Fitzgerald, Jr..... | 34 | " | Toluca | No. 3 | 1 | 1 | 1 | 1 | Leg hurt by pit car. | 30 |
| " | 29 Dominick Rock..... | 26 | Miner..... | Spring Valley | No. 1 | 1 | 1 | 3 | 4 | Ankle hurt by fall of rock. | * |
| Sept. | 4 Andrew Zeglis..... | 35 | " | Toluca | No. 1 | 1 | 1 | 1 | 1 | Foot hurt, fall of rock. | 5 |
| " | 5 Wm. Vanek..... | 18 | Driver..... | Gilechrist | Empire Coal Co. | 1 | 1 | 1 | 1 | Foot by runaway car. | 25 |
| " | 9 Wm. James..... | 50 | Miner..... | Sherrard | C. V. Mng. Co. | 1 | 1 | 1 | 1 | Leg broken, fall of rock. | 72 |
| " | 12 John Nelson..... | 35 | Laborer..... | Toluca | No. 1 | 1 | 1 | 1 | 1 | Hurt by rock falling on pit car. | 30 |
| " | 17 C. Salvatore..... | 26 | Fireman..... | Waukegan | Alden C. Co. | 1 | 1 | 1 | 1 | Hand hurt between timber and car. | 14 |
| " | 20 F. Strauss..... | 30 | " | Toluca | No. 1 | 1 | 1 | 1 | 1 | Powder exploded while making cartridge. | 30 |
| " | 24 Matt Stuekert..... | 30 | " | Toluca | No. 1 | 1 | 1 | 1 | 1 | Hand hurt, fall of rock. | 33 |
| " | 28 Andrew Faulkner..... | 42 | Laborer..... | Wenona | " | 1 | 1 | 1 | 1 | Leg crushed between cars. | 11 |
| " | 30 Chas. Lauf..... | 21 | Miner..... | Toluca | " | 1 | 1 | 1 | 1 | Foot hurt, fall of coal. | 10 |
| Oct. | 1 John Barons..... | 26 | Cager..... | Toluca | " | 1 | 1 | 1 | 1 | Foot crushed by pit car. | 7 |
| " | 1 Joseph Weygand..... | 30 | Driver..... | Roanoke | R. Mng. Co | 1 | 1 | 6 | 5 | Leg hurt by pit car. | 7 |
| " | 2 Wm. Nicklan..... | 36 | Miner..... | Ladd | B. | 1 | 1 | 2 | 3 | Leg broken by fall of coal. | 64 |
| " | 2 John R. Evans..... | 25 | Driver..... | Toluca | No. 1 | 1 | 1 | 3 | 4 | Kicked by mule. | 19 |
| " | 5 Jas. Keating, Jr..... | 25 | Cager..... | " | " | 1 | 1 | 1 | 1 | Hurt by pit car. | 9 |
| " | 12 M. Vissegio..... | 35 | Miner..... | Spring Valley | No. 3 | 1 | 1 | 1 | 1 | Leg fractured by fall coal. | 60 |
| " | 14 Nicholas Fillet..... | 20 | " | Minonk | C. & M. C. & Title Co. | 1 | 1 | 1 | 1 | Two fingers cut off by fall of rock. | * |
| " | 17 Wm. Ball..... | " | " | Spring Valley | No. 3 | 1 | 1 | 1 | 1 | Leg broken by fall of rock. | * |
| " | 18 John Clinton..... | 28 | Driver..... | " | " | 1 | 1 | 1 | 1 | Leg hurt by falling off car. | * |
| " | 19 Thos. Kelly..... | 20 | Miner..... | Toluca | No. 1 | 1 | 1 | 1 | 1 | Arm and leg hurt by pit car. | * |
| " | 22 Aug. Vidal..... | 40 | " | Ladd | B. | 1 | 1 | 2 | 3 | Left knee hurt (cause not given). | 32 |
| " | 22 Chas. S. Thompson..... | 43 | " | Seatonville | No. 1 | 1 | 1 | 1 | 1 | Two ribs broken, shovel handle, while descending. | 72 |
| " | 25 A. tonio Odtrato..... | 29 | " | Toluca | No. 1 | 1 | 1 | 1 | 1 | Hip dislocated; ca. e ran away; not at work July 1, '96. | 9 |
| " | 26 John Chivini..... | 30 | " | " | " | 1 | 1 | 1 | 1 | Ankle sprained (cause not given). | 9 |
| " | 26 Wm. Breast..... | 50 | " | " | " | 1 | 1 | 1 | 1 | Foot hurt by fall of coal. | 9 |
| " | 26 M. Nadzun..... | 27 | " | " | " | 1 | 1 | 1 | 1 | Leg hurt by fall of coal. | 25 |

| | | | | | | | | | | |
|----------|----|-------------------|----|-------------|---------------|-----------------------|---|---|---|----|
| Nov. | 29 | Anton Smith. | 30 | Miner. | Toluca | No. 1. | 1 | 1 | Hurt by fall of coal. | 8 |
| | 1 | Bernard Shuber. | 45 | Laborer l. | Spring Valley | No. 2. | 1 | 5 | Foot hurt by fall of rock. | * |
| | 2 | John Claire. | 16 | Trapper. | Toluca | No. 1. | 1 | 1 | Finger crushed coupling cars. | 18 |
| | 6 | J. L. Stephens. | 64 | Miner. | Cable. | C. V. M. Co. | 1 | 4 | Shoulder hurt, fall of coal. | 18 |
| | 9 | A. S. Nielson. | 54 | Miner. | Galva. | Herdien C. C. | 1 | 1 | Back hurt, fall of rock (not at work July 1, 1896). | † |
| | 15 | John Barons. | 26 | Cager. | Toluca | No. 1. | 1 | 1 | Hand bruised between pit cars. | 7 |
| | 15 | Pat Gillan. | 27 | Miner. | Wenona | No. 1. | 1 | 1 | Leg broken by fall of rock. | * |
| | 16 | John Williams. | 36 | " | Wenona | No. 1. | 1 | 1 | Foot hurt, fall of coal. | 10 |
| | 18 | Thos M-Gill. | 30 | " | Marquette | Marquette C. Co. | 1 | 1 | Arm broken by fall of rock. | 28 |
| | 19 | John Murrell. | 25 | Driver. | We ona | No. 1. | 1 | 1 | Arm hurt by fall of rope. | 28 |
| | 20 | Jos. Petron. | 25 | Miner. | Spring Valley | No. 3. | 1 | 8 | Back hurt, fall of rock. | 25 |
| | 21 | Chas. Kerp. | 55 | " | Toluca | No. 1. | 1 | 1 | Foot hurt, fall of coal. | 8 |
| | 22 | Luigi Roemanetti. | 40 | " | Ladd. | No. 1. | 1 | 5 | Shoulder and breast hurt, fall of rock. | 36 |
| | 23 | Thos. Milligan. | 39 | " | Toluca | No. 1. | 1 | 1 | Toes broken by pit car. | 8 |
| Dec. | 2 | Bernardo Petroni. | 4 | Laborer | Modena. | Savill's mine. | 1 | 2 | Leg hurt, fall of coal. | 60 |
| | 16 | Peter Gal. | 34 | Miner. | Toluca | No. 1. | 1 | 1 | Bruised by falling down shaft. | 23 |
| | 20 | John Leonard. | 36 | " | Roanoke | R. M. Co. | 1 | 2 | Hurt by fall of rock. | 7 |
| | 20 | Wm. Collins. | 40 | " | Toluca | No. 1. | 1 | 4 | 3 Foot sprained (cause not given). | 7 |
| | 23 | F. Frioli. | 45 | " | Spring Valley | No. 3. | 1 | 1 | Leg bruised, fall of coal. | 20 |
| | 27 | H. Saunders. | 30 | " | Wenona | No. 1. | 1 | 2 | Arm hurt, fall of rock. | 9 |
| | 29 | E. Pumnutt. | 34 | " | Toluca | No. 1. | 1 | 1 | Hurt by fall of coal. | 20 |
| | 30 | J. Galinski. | 28 | " | Bartonville. | Sholl Bros. | 1 | 1 | Leg broken by fall of coal. | 15 |
| No date. | | Robt. Bradley. | | Driver. | | | 1 | 1 | Fingers hurt, fall of rock. | * |
| | | John Reid. | | Miner. | | | 1 | 1 | Finger taken off coupling cars. | 8 |
| 1896 | | | | | | | | | Foot hurt by fall of coal. | |
| Jan. | 2 | Vincenzo Collusi. | 34 | " | Ladd. | No. 1. | 1 | 2 | 3 Foot hurt by fall of coal. | 17 |
| | 6 | J. D. White. | 28 | " | Toluca | No. 1. | 1 | 1 | Rib broken by fall of rock. | 20 |
| | 6 | Wm. Norton. | 24 | " | Kewanee. | Henry Bros. | 1 | 1 | Leg broken by fall of coal. | 62 |
| | 6 | S. Rashinski. | 56 | " | Minonk. | C. & M. C. & Tile Co. | 1 | 1 | Foot broken by fall of coal. | * |
| | 7 | H. Cox. | 28 | Driver. | Wenona. | No. 1. | 1 | 1 | 1 Rib broken, kicked by mule. | 30 |
| | 7 | Le-nard Samuelson | 26 | Miner. | Cable. | C. V. M. Co. | 1 | 1 | 2 Hurt by coal flying from shot. | 10 |
| | 14 | John Johnson. | 25 | " | Spring Valley | No. 2. | 1 | 1 | 2 Foot hurt, fall of coal. | * |
| | 14 | Joe Miller. | 23 | " | Minonk. | C. & M. C. & Tile Co. | 1 | 1 | Back burned by premature blast. | * |
| | 15 | Ed Keegan. | 16 | " | Toluca | No. 1. | 1 | 1 | 1 Foot broken by fall of coal. | 10 |
| | 15 | John Smith. | 30 | " | Spring Valley | No. 2. | 1 | 1 | 1 Foot broken by fall of coal. | 40 |
| | 17 | John Re. | 30 | Laborer | Sherrard. | C. V. M. Co. | 1 | 1 | 2 Ankle hurt, fall of rock. | * |
| | 23 | Morgan Davies. | 48 | Miner. | Toluca | No. 1. | 1 | 1 | 1 Foot broken by fall of rock. | 68 |
| | 24 | Jos. Galinski. | 28 | " | Kewanee | Kirley's mine. | 1 | 1 | 2 Finger broken by fall of rock. | 15 |
| | 26 | James Humphrey. | 45 | " | Spring Valley | No. 3. | 1 | 9 | 10 Hurt by fall of rock. | 28 |
| | 27 | John Rossetti. | 24 | " | Toluca | No. 4. | 1 | 7 | 8 Leg broken by fall of coal. | 16 |
| | 27 | John Cappello. | 44 | " | Peoria. | No. 1. | 1 | 1 | 2 Finger broken by fall of coal. | 52 |
| | 28 | R. Edwards. | 24 | " | Toluca | No. 1. | 1 | 1 | 3 Eye hurt, premature blast. | 10 |
| Feb. | 1 | Cornelius Sauer. | 35 | " | Peoria. | Excelsior. | 1 | 1 | 2 Eye hurt (cause not given). | 8 |
| | 3 | N. L. Booker. | 38 | " | Toluca | No. 1. | 1 | 3 | 4 Hand hurt (cause not given). | 18 |
| | 5 | John Duprez. | 21 | " | Gilchrist. | Empire Coal Co. | 1 | 1 | 1 Jaw-bone broken, kicked by mule. | * |
| | 6 | Fred Walton. | 22 | " | Spring Valley | No. 3. | 1 | 1 | 2 Hurt between pit cars. | 60 |
| | 8 | Ed Frame. | 26 | " | Gilchrist. | Empire Coal Co. | 1 | 1 | 2 Leg broken, cars jumped track. | 60 |
| | 15 | Thomas Maynard. | 20 | Miner. | Wenona. | No. 1. | 1 | 1 | Leg broken by fall of coal. | * |
| | 15 | A. Katto. | 27 | " | Ladd. | No. 1. | 1 | 1 | Head and back hurt, fall of rock. | * |
| March | 20 | Frank Tezzo. | 50 | Blacksmith. | Roanoke. | R. M. Co. | 1 | 4 | 2 Leg broken by falling off e. | * |

March

Non-Fatal Casualties—Second District—Concluded.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Single. | Children. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost— Days. |
|-------|---------------------|------|-------------|---------------------|-----------------------|----------|---------|-----------|---------------------------|---|---------------------|
| 1896. | | | | | | | | | | | |
| March | 40 Robert Elliott. | 28 | Sinker | Elmira. | Robinson's mine. | 1 | 1 | 3 | 4 | Leg and arm broken, fell down shaft. | 44 |
| " | 10 F. Matowitz. | " | Miner. | Minonk | C. & M. C. and T. Co. | 1 | 1 | " | 4 | Leg broken, cage ran away (not at work July 1, 95) | + |
| " | 11 Ernest Myers. | " | " | Coal Valley. | Zadoc Wynn. | 1 | 1 | " | 1 | Back injured, fall of rock (not at work July 1, 96) | + |
| " | 13 John Hergert. | 50 | " | Cable. | C. V. M. Co. | 1 | 1 | 1 | 2 | Shoulder dislocated, fall of rock. | 34 |
| " | 33 Olaf Lund. | 35 | Fireman | Seatonville. | C. W. & V. Coal Co. | 1 | 1 | 4 | 5 | Hand partly cut off coupling cars. | 92 |
| " | 27 H. Doherty. | 51 | Miner. | Marquette. | Marquette Coal Co. | 1 | 1 | " | 4 | Head and back hurt, fall of rock. | 14 |
| " | 30 John Parson. | 40 | Fireman | Toluca. | No. 1. | 1 | 1 | " | 4 | Arm broken falling off boiler. | 30 |
| April | 6 Aaron Brown. | 38 | Miner. | " | " | 1 | 1 | 3 | 4 | Finger hurt (cause not given). | 8 |
| " | 10 Charles Johnson. | 55 | " | Galva. | Gray Eagle Coal Co. | 1 | 1 | " | 2 | Back hurt, fall of rock. | 21 |
| " | 15 M. Meikel. | 31 | " | Toluca. | No. 1. | 1 | 1 | " | 1 | Finger hurt, fall of coal. | 8 |
| " | 15 Peter Troy. | 18 | " | Spring Valley | No. 4. | 1 | 1 | " | " | Arm and foot hurt, fall of coal. | 8 |
| " | 16 B. A. Fisher. | 45 | " | Toluca. | No. 1. | 1 | 1 | 3 | 4 | Hand hurt, fall of coal. | 15 |
| " | 16 L. N. Jones. | 28 | " | " | " | 1 | 1 | " | " | Finger hurt, fall of coal. | 17 |
| " | 16 Charles Blouse. | 28 | " | " | " | 1 | 1 | " | " | Ankle hurt, fall of coal. | 7 |
| " | 16 Charles Bigna. | 35 | " | " | " | 1 | 1 | " | " | Breast hurt falling on pick. | 35 |
| " | 24 Anton DeBolt. | 23 | Driver | Spring Valley | No. 3. | 1 | 1 | " | 35 | Arm broken, fall of coal. | 30 |
| " | 24 James Muir. | 18 | Sinker | Modena. | Kennick's. | 1 | 1 | " | 30 | Arm broken; kicked by mule. | 30 |
| " | 28 George Talbot. | " | " | " | " | 1 | 1 | " | 15 | Bruised falling down shaft. | 15 |
| " | 28 Will McGrue. | " | " | " | " | 1 | 1 | " | 40 | Bruised falling down shaft. | 40 |
| " | 29 Wm. Dodd. | " | Day man. | Pottstown. | Blue Fly. | 1 | 1 | " | 53 | Leg hurt, was caught in mining machine. | 53 |
| " | 30 Vital Casarato. | 33 | Miner. | Toluca. | No. 1. | 1 | 1 | 1 | 2 | Finger hurt, fall of coal. | 60 |
| " | 30 Stephen Tingile. | 28 | " | Ladd. | " | 1 | 1 | 2 | 3 | Back hurt, fall of rock (not at work July 1, 1896) | 10 |
| May | 21 Frank Knopka. | 33 | " | Elmwood. | E. Coal Co. | 1 | 1 | 2 | 3 | Foot hurt, timber fell on it. | 15 |
| " | 21 Emile Boulard. | 26 | Laborer. | Spring Valley | No. 3. | 1 | 1 | 2 | 3 | Head and back hurt, fall of rock. | 60 |
| " | 6 Charles Noe. | 37 | " | Toluca. | No. 1. | 1 | 1 | " | 2 | Leg broken, fall of rock. | 10 |
| " | 14 And. Hobert. | 55 | Miner. | " | " | 1 | 1 | " | 1 | Foot hurt (cause not given). | 15 |
| " | 17 Frank Leuzen. | 25 | Top cager. | " | " | 1 | 1 | " | 2 | Hurt by fall of coal (not at work July 1, 1896) | 10 |
| " | 27 S. Moraski. | 28 | Miner. | Ladd. | " | 1 | 1 | " | 2 | Leg hurt, fall of rock. | 15 |
| " | 27 George Brinisto. | 34 | " | Toluca. | No. 1. | 1 | 1 | " | 2 | Hand hurt between car and roof. | 10 |
| " | 29 James Campalone. | 30 | " | " | " | 1 | 1 | " | 2 | Side and back hurt, kicked by mule. | 30 |
| June | 2 Henry McAvoy. | 31 | Driver | Ladd. | No. 1. | 1 | 1 | 2 | 1 | Arm hurt by pit car. | 20 |
| " | 3 J. A. Vaugh. | 41 | Miner. | Toluca. | " | 1 | 1 | " | 1 | Hurt by trip of loaded cars. | 8 |
| " | 6 George Bowers. | 23 | Driver | Wenona | " | 1 | 1 | " | 1 | Hurt by trip of loaded cars. | 8 |
| " | 6 Gus Nelson. | 33 | Miner. | Cable. | C. V. M. Co. | 1 | 1 | 1 | 1 | Hip hurt, fall of rock. | 8 |

| | | | | | | | | | | |
|------------------------------|-----------------|--------------------------|------------------------|----|----|-----|-----|------------------------------------|---|------|
| June 13 Charles Dufrain..... | 28 Miner..... | Bartonville..... | Collier Coöp. Co..... | 1 | 1 | 3 | 4 | Foot crushed, fall of coal..... | † | 8 |
| 15 Mike Donnelly..... | 30 "..... | Toluca..... | No. 1..... | 1 | 1 | 1 | 2 | Head hurt by falling prop..... | * | 8 |
| 16 A. T. Howard..... | 32 "..... | Spring Valley No. 3..... | No. 3..... | 1 | 1 | 1 | 2 | Leg bruised, fall of coal..... | † | 10 |
| 16 Wm. Newman..... | 21 Laborer..... | Toluca..... | Marquette Coal Co..... | 1 | 1 | 1 | 1 | Finger hurt (cause not given)..... | † | 10 |
| 25 Bertolis Bethone..... | 50 Miner..... | Marquette..... | Marquette Coal Co..... | 1 | 1 | 1 | 1 | Hip dislocated, fall of coal..... | † | 10 |
| Totals (injured, 130)..... | | | | 67 | 63 | 120 | 178 | | | 2341 |

* Time lost not given.

† Not at work July 1, 1896.

The average lost time of the 92 men reported is 24.34 days.

Recapitulation of Non-Fatal Casualties—Second District—1896.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|------------------|-----|----------------|-----|---------------------------|-----|-----------------------------|-----|
| Bartonville... | 3 | Blacksmith... | 1 | Cage | 1 | Alden Coal Co..... | 2 |
| Cable..... | 4 | Cager..... | 5 | Coupling cars | 3 | Coal Valley Mining Co.... | 6 |
| Coal Valley... | 1 | Driver | 13 | Explosi'n of powd'r | 1 | C. & M. Coal and Tile Co.. | 4 |
| Elmwood..... | 1 | Fireman | 3 | Engine run away.... | 2 | Collier Co'sp. Coal Co..... | 1 |
| Elmira..... | 1 | Laborer..... | 10 | Falling coal..... | 39 | C. W. & V. Coal Co..... | 2 |
| Galva..... | 2 | Miner..... | 94 | Falling rock..... | 44 | Devlin Coal Co..... | 53 |
| Gilchrist..... | 4 | Sinker..... | 2 | Falling down shaft... | 4 | Empire Coal Co..... | 4 |
| Kewanee..... | 3 | Trapper..... | 1 | Falling off trestle... | 1 | Elmwood Coal Co..... | 1 |
| Ladd..... | 9 | Top cager..... | 1 | Falling off boiler... | 1 | Grant's Mine..... | 1 |
| Marquette..... | 3 | | | Falling on pick..... | 1 | Gray Eagle Coal Co..... | 1 |
| Minonk..... | 4 | | | Flying c'l from shot... | 2 | Herdien Coal Co..... | 1 |
| Modena..... | 3 | | | Flying c'l from pick... | 1 | Henry Bros..... | 1 |
| Peoria..... | 1 | | | Kicked by mule..... | 5 | Kewanee Coal Co..... | 1 |
| Pottstown..... | 1 | | | Mining machine..... | 1 | Kirley's Mine..... | 1 |
| Roanoke..... | 3 | | | Premature shot..... | 2 | Marquette 3d Vein Coal Co | 3 |
| Seatonville..... | 2 | | | Pit cars..... | 18 | Myer's Mine..... | 1 |
| Sherrard..... | 2 | | | Struck with pick... | 1 | Reinick's..... | 2 |
| Spring Valley | 21 | | | Timber falling..... | 2 | Roanoke Mining Co..... | 3 |
| Toluca..... | 53 | | | Tail chain..... | 1 | Robinson's Mine..... | 1 |
| Wanlock..... | 2 | | | | | Savill's Mine..... | 1 |
| Wenona..... | 7 | | | | | Spring Valley Coal Co.... | 21 |
| | | | | | | Sholl Bros..... | 2 |
| | | | | | | Wantling & Son..... | 1 |
| | | | | | | Wenona Coal Co..... | 7 |
| | | | | | | White east Fuel Co..... | 9 |
| Totals..... | 130 | | 130 | | 130 | | 130 |

The county statistical tables follow, giving a record of each mine in the district.

Respectfully submitted,

CHAS. DUNCAN,

State Mine Inspector, Second District, Galva, Ill.

STATISTICAL TABLES.

SECOND DISTRICT.

Bureau County—Second District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Spring Val. C. Co., No. 1..... | Spring Valley | Spring Valley | S. | 338 | 3.6 | ..... | Sh. | L. W. | H. |
| 2 | " " " " No. 2 & 4. | " " | " " | " | 342 | 3.8 | 62.57 | " | " | " |
| 3 | " " " " No. 3..... | " " | " " | " | 495 | 3.8 | 44.17 | " | " | " |
| 4 | Whitebreast Fuel Co., "B"..... | Ladd..... | Ladd..... | " | 465 | 3.3 | 36.27 | " | " | " |
| 5 | C. W. & V. Coal Co., No. 1.. | Seatonvill.... | Seatonville... | " | 410 | 3.6 | 25.85 | " | " | " |
| 6 | Marquette & Romein C. Co. | Marquette.... | Davenport.... | " | 302 | 3.9 | 19.83 | " | " | " |
| 7 | Sheffield Mining Co..... | Mineral..... | Sheffield..... | " | 45 | 4.6 | 2.98 | " | " | " |
| 8 | Z. E. Williamson..... | Sheffield..... | " | " | 85 | 4.6 | .25 | Sl. | R. P. | " |
| 9 | John Duncan..... | Mineral..... | " | L. | 20 | 4.6 | .16 | Sh. | " | " |
| 10 | Peter Duncan..... | " | " | " | 40 | 4.8 | .22 | Sl. | " | " |
| 11 | Hansen & Olsen..... | Sheffield..... | " | " | 40 | 4.6 | .39 | Sh. | " | " |
| 12 | Wm. Brandt..... | Mineral..... | Mineral..... | " | 15 | 4.6 | .27 | " | " | " |
| 13 | Fred Jensen..... | " | " | " | 28 | 4.6 | .38 | " | " | " |
| 14 | Paul Bros..... | " | " | " | 45 | 4.3 | .15 | " | " | " |
| 15 | Bloom & Cox..... | Coal Hollow.. | Princeton..... | " | 200 | 4.6 | .51 | " | " | " |
| 16 | A. W. Walton..... | " | " | " | 150 | 4.6 | .47 | " | " | " |
| 17 | Smith & Sons..... | " | " | " | 147 | 4.6 | .39 | " | " | " |
| 18 | Silas Riley..... | Neponset..... | Neponset..... | " | 64 | 4 | .18 | " | " | " |
| Totals (18 mines)..... | | | | | | | 195.04 | | | |
| Averages..... | | | | | | | | | | |

Bureau County 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------|---------|---|---|---|-------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | Summer. | Winter. | Summer. | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| 1 | | | | | | | | | | | | | | | | |
| 2 | 730 | 535 | 25 | 25 | 10 | S. M. | 84.3 | 2 | 7 | 344,169 | 290,192 | 53,976 | \$1 25 | 193 | | |
| 3 | 535 | 495 | 25 | 25 | 10 | " | 84.5 | 1 | 12 | 242,930 | 205,168 | 37,762 | 1 25 | 216 | | |
| 4 | 390 | 337 | 25 | 25 | 18 | " | 81 | 1 | 9 | 176,780 | 144,728 | 32,052 | 1 18 | 176 | | |
| 5 | 301 | 251 | 18 | 18 | 7 | " | 100 | 1 | 2 | 135,718 | 114,936 | 20,782 | 1 25 | 135 | | |
| 6 | 275 | 256 | 25 | 25 | 7 | " | 100 | 1 | 3 | 114,035 | 49,947 | 64,088 | 1 10 | 165 | | |
| 7 | 47 | 40 | 3 | 3 | | M. | 100 | | | 13,412 | 13,412 | | 1 75 | 250 | \$0 60 | 12 |
| 8 | 12 | 4 | 2 | 2 | | S. M. | 100 | | | 1,120 | 1,120 | | 1 75 | 100 | | |
| 9 | 8 | | | | | W. | 100 | | | 728 | 728 | | 1 50 | 200 | | |
| 10 | 5 | | | | | S. M. | 100 | | | 1,000 | 1,000 | | 1 75 | 200 | 80 | |
| 11 | 8 | 2 | 1 | 1 | | " | 100 | | | 1,588 | 1,588 | | 1 75 | 175 | | |
| 12 | 6 | 2 | 2 | 1 | | W. | 100 | | | 1,200 | 1,200 | | 1 50 | 180 | 60 | |
| 13 | 7 | 2 | 2 | 1 | | " | 100 | | | 1,700 | 1,700 | | 1 50 | 200 | | |
| 14 | 5 | 2 | 1 | 1 | | " | 100 | | | 600 | 600 | | 1 50 | 200 | 65 | 6 |
| 15 | 9 | 5 | 1 | 1 | | M. | | | | 2,651 | 2,651 | | 1 75 | 165 | 50 | 113 |
| 16 | 11 | 5 | 1 | 1 | | S. M. | 100 | | | 2,186 | 2,186 | | 1 75 | 180 | 60 | 85 |
| 17 | 8 | 4 | 1 | 1 | | " | 100 | | | 1,746 | 1,746 | | 1 75 | 175 | 50 | 94 |
| 18 | 4 | | 1 | | | W. | 100 | | | 742 | 742 | | 1 50 | 150 | 80 | 6 |
| .. | 2,355 | 1,943 | 133 | 130 | 52 | | | 5 | 33 | 1,042,304 | 833,644 | 208,660 | | | | 316 |
| .. | | | | | | | | | | | | | \$1 23.2 | 180 | | |

Henry County—Second District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Kewanee Coal Co. No. 1..... | Kewanee..... | Kewanee..... | Sh. | 80 1 | 8.12 | Sh. | R. P. | H. | |
| 2 | No. 7..... | | | | 110 4 | 9.14 | | | | |
| 3 | Ripka & Peart..... | " | " | L. | 30 4.6 | .30 | Sl. | " | " | " |
| 4 | Mink Bros..... | " | " | " | 42 4 | .05 | " | " | " | " |
| 5 | Peter Malone & Son..... | " | " | " | 25 4 | .15 | " | " | " | " |
| 6 | Herman Heinrich..... | " | " | " | 25 4 | .10 | D. | " | " | " |
| 7 | Philip Henry..... | " | " | " | 72 4 | 1.43 | Sh. | " | " | " |
| 8 | Reinold Kempin..... | " | " | " | 12 4 | .31 | Sl. | " | " | " |
| 9 | Edward P. Lincoln..... | " | " | " | 25 4 | .08 | " | " | " | " |
| 10 | Mathew Atkinson..... | " | " | " | 40 4 | .35 | D. | " | " | " |
| 11 | Thos. Carter & Son..... | " | " | " | 60 4 | .04 | Sl. | " | " | " |
| 12 | Martin Bros..... | " | " | " | 60 4 | .17 | Sh. | " | " | " |
| 13 | Ralph Todd..... | " | " | " | 35 4 | .25 | Sl. | " | " | " |
| 14 | Messmore & Anderson..... | " | " | " | 79 4.6 | .35 | Sh. | " | " | " |
| 15 | Garland & Dixon..... | " | " | " | 50 4 | .31 | Sl. | " | " | " |
| 16 | Bernard Kirley..... | " | " | " | 68 3.8 | .90 | Sh. | " | " | " |
| 17 | W. H. Lyie..... | " | " | " | 67 3.8 | .75 | " | " | " | " |
| 18 | Bates Bros..... | " | " | " | 73 3.10 | .70 | " | " | " | " |
| 19 | Gray Eagle Coal Co..... | Galva..... | Galva..... | Sh. | 68 4 | 3.25 | " | " | " | " |
| 20 | Herdien Coal Co. No. 13..... | " | " | " | 55 4.3 | 2.17 | " | " | " | " |
| 21 | No. 12..... | " | " | L. | 53 4.4 | 1.14 | " | " | " | " |
| 22 | J. H. Murray..... | " | " | " | 57 4.4 | 1 | " | " | " | " |
| 23 | Philip Murphy..... | " | " | " | 20 4 | .13 | " | " | " | " |
| 24 | Orphens Kennerling..... | Hawley..... | Hawley..... | " | 33 4 | .08 | " | " | " | " |
| 25 | John Summerson..... | Blossomburg..... | Coal Valley..... | " | 60 4.6 | .18 | D. | " | " | " |
| 26 | Stoddard & Bair..... | " | " | Sh. | 60 4.6 | | " | " | " | " |
| 27 | Jas. Fairlie..... | Cambridge..... | Cambridge..... | L. | 130 2.8 | 1.57 | Sh. | " | " | " |
| 28 | John Mowbray..... | Atkinson..... | Atkinson..... | " | 36 3 | .77 | Sl. | " | " | " |
| 29 | R. M. Kay..... | " | " | " | 40 3 | .40 | Sh. | " | " | " |
| 30 | Thos. Frew..... | " | " | " | 30 3 | .18 | Sl. | " | " | " |
| 31 | Richard Marley..... | " | " | " | 30 3 | .44 | " | " | " | " |
| 32 | P. Coull..... | " | " | " | 35 3 | .10 | Sh. | " | " | " |
| Totals (32 mines)..... | | | | | | 34.91 | | | | |
| Averages..... | | | | | | | | | | |

Henry County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|--|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 55 | 45 | 5 | 5 | 2 | S-M. | 90 | 1 | 32,579 | 29,264 | 3,315 | \$1 35 | 235 | \$0 80 | | |
| 2 | 67 | 55 | 5 | 5 | 2 | W. | 90 | | 36,577 | 32,977 | 3,600 | 1 35 | 235 | 80 | | |
| 3 | 5 | 1 | 1 | 1 | | W. | 100 | | 1,360 | 1,360 | | 1 50 | 150 | | | |
| 4 | 3 | 1 | 1 | 1 | | W. | 100 | | 200 | 200 | | 1 50 | 153 | 70 | | |
| 5 | 2 | 1 | | | | W. | 100 | | 600 | 600 | | 1 50 | 183 | 70 | | |
| 6 | 2 | | 1 | | | W. | 100 | | 400 | 400 | | 1 50 | 117 | | | |
| 7 | 25 | 6 | 2 | 1 | 1 | S-M. | 100 | 1 | 5,740 | 5,740 | | 1 50 | 275 | | | |
| 8 | 6 | 1 | 1 | 1 | | W. | 100 | | 1,250 | 1,250 | | 1 50 | 200 | 75 | | |
| 9 | 3 | | 2 | 1 | | W. | 100 | | 340 | 340 | | 1 50 | 75 | 75 | | |
| 10 | 6 | | 2 | 1 | | W. | 100 | | 1,424 | 1,424 | | 1 50 | 250 | 60 | | |
| 11 | 2 | 1 | 2 | | | W. | 100 | | 152 | 152 | | 1 50 | 75 | 75 | | |
| 12 | 6 | 2 | 2 | 1 | 1 | S-M. | 100 | | 696 | 696 | | 1 50 | 155 | 60 | | |
| 13 | 4 | 2 | 1 | 1 | 1 | W. | 100 | | 1,000 | 1,000 | | 1 50 | 150 | 75 | | |
| 14 | 4 | 2 | 1 | 1 | 1 | W. | 100 | | 1,399 | 1,399 | | 1 50 | 150 | 60 | | |
| 15 | 4 | 2 | 1 | 1 | 1 | M. | 100 | | 1,233 | 1,233 | | 1 50 | 125 | 60 | | |
| 16 | 16 | 7 | 3 | 1 | 1 | S-M. | 100 | 1 | 3,600 | 3,600 | | 1 50 | 205 | 70 | | |
| 17 | 8 | 6 | 1 | 1 | 1 | W. | 100 | | 3,000 | 3,000 | | 1 50 | 208 | 60 | | |
| 18 | 10 | 2 | 1 | 1 | 1 | W. | 100 | | 2,868 | 2,868 | | 1 50 | 225 | | | |
| 19 | 50 | 18 | 4 | 2 | 2 | M. | 100 | 1 | 13,148 | 12,748 | 400 | 1 25 | 200 | 70 | | |
| 20 | 34 | 15 | 3 | 2 | 1 | S-M. | 100 | 1 | 8,705 | 8,205 | 500 | 1 28 | 275 | 70 | | |
| 21 | 18 | 10 | 3 | 2 | 1 | W. | 100 | | 4,557 | 4,557 | | 1 50 | 300 | 70 | | |
| 22 | 21 | 11 | 1 | 1 | 1 | W. | 100 | | 4,222 | 4,222 | | 1 50 | 300 | 70 | | |
| 23 | 3 | 1 | 1 | 1 | 1 | W. | 100 | | 520 | 520 | | 1 50 | 90 | | | |
| 24 | 5 | 1 | 1 | 1 | 1 | W. | 100 | | 320 | 320 | | 1 50 | 180 | | | |
| 25 | 5 | | | | | W. | 100 | 1 | 734 | 734 | | 1 50 | 100 | 65 | 15 | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | 12 | 6 | 1 | 1 | 1 | S-M. | 100 | | 4,333 | 2,600 | 1,733 | 2 00 | 235 | 75 | 162 | |
| 28 | 12 | 6 | 1 | 1 | 1 | W. | 100 | | 2,336 | 1,836 | 500 | 1 75 | 260 | 75 | | |
| 29 | 7 | 2 | 2 | 2 | 2 | W. | 100 | | 1,200 | 1,200 | | 1 75 | 200 | | | |
| 30 | 8 | 2 | 1 | 1 | 1 | W. | 100 | | 520 | 520 | | 1 75 | 125 | 70 | | |
| 31 | 6 | 1 | 1 | 1 | 1 | W. | 100 | | 1,100 | 800 | 300 | 1 75 | 100 | | | |
| 32 | 6 | 4 | 1 | 1 | 1 | W. | 100 | | 302 | 302 | | 1 75 | 200 | | | |
| .. | 416 | 211 | 50 | 35 | 7 | | 1 | 5 | 136,415 | 126,067 | 10,348 | | | | 177 | |
| | | | | | | | | | | | | \$1.405 | 185 | | | |

Marshall County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | |
| 2 | 486 | 486 | 75 | 75 | 10 | S. M. | 70 | | 53 | 308,205 | 229,300 | 78,905 | \$1 13 | 299 | ..... | 6,816 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | 250 | 137 | 15 | 16 | 4 | .. | .. | 1 | 7 | 63,906 | 56,201 | 7,705 | 1 23 | 176 | | |
| 5 | 66 | 33 | 4 | 2 | | .. | 100 | | | 15,750 | 15,750 | | 1 25 | 181 | \$0 70 | |
| 6 | 2 | | | | | W. | | | | 60 | 60 | | 1 25 | 35 | | |
| 7 | 33 | | | | | .. | | | | 155 | 155 | | 1 25 | 40 | | |
| 8 | 1 | | | | | .. | | | | 160 | 160 | | 1 25 | 80 | | |
| 9 | 1 | | | | | .. | | | | 48 | 48 | | 1 25 | 20 | | |
| 10 | 2 | | | | | .. | | | | 820 | 820 | | 1 25 | 80 | | |
| 11 | 2 | | | | | .. | | | | 160 | 160 | | 1 25 | 75 | | |
| 12 | 2 | | | | | .. | | | | 165 | 125 | 40 | 1 25 | 60 | | |
| | 815 | 666 | 97 | 93 | 14 | ..... |  | 1 | 60 | 389,429 | 302,779 | 86,650 | \$1 15 | .... |  | 6,824 |
| | | | | | | | | | | | | | | 219 | ..... |  |

Mercer County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 245 | 180 | 18 | 14 | 8 | M. | 100 | .. | 3 | 111,218 | 66,048 | 45,170 | \$1 50 | 144 | ..... | 3,807 |
| 2 | 196 | 158 | 26 | 26 | 10 | .. | 100 | .. | .. | 70,701 | 44,794 | 25,907 | 1 50 | 170 | ..... | 3,201 |
| 3 | 15 | 15 | 3 | 3 | .. | .. | 100 | .. | 1 | 14,161 | 10,012 | 4,119 | 1 50 | 65 | ..... | 164 |
| 4 | 204 | 124 | 12 | 10 | 5 | S. M. | 70 | .. | 2 | 120,164 | 89,935 | 30,229 | 1 10 | 177 | \$0 70 | 5,958 |
| 5 | 210 | 210 | 20 | 20 | 4 | .. | 70 | .. | 4 | 107,158 | 74,756 | 32,402 | 1 07 1/2 | 213 | 60 | 4,326 |
| 6 | 5 | 1 | 1 | 1 | .. | W. | 100 | .. | .. | 1,509 | 1,509 | .. | 1 00 | 100 | 60 | 50 |
| 7 | 7 | 2 | 1 | 1 | .. | .. | 100 | .. | .. | 2,400 | 2,400 | .. | 1 00 | 150 | 60 | 85 |
| 8 | 7 | 2 | 1 | 1 | .. | .. | 100 | .. | .. | 2,000 | 2,000 | .. | 1 00 | 140 | 70 | 100 |
| 9 | 48 | 16 | 3 | 3 | .. | M. | 100 | .. | .. | 13,002 | 10,382 | 2,620 | 1 15 | 225 | 55 | 500 |
| 10 | 6 | 3 | 1 | 1 | .. | .. | 100 | .. | .. | 1,220 | 1,200 | 20 | 1 50 | 200 | .. | 100 |
| 11 | 13 | 2 | 2 | 1 | .. | .. | 190 | .. | .. | 2,180 | 2,180 | .. | 1 62 1/2 | 200 | .. | 100 |
| 12 | 2 | .. | .. | .. | .. | W. | 100 | .. | .. | 280 | 280 | .. | 1 50 | 125 | .. | 8 |
| 13 | 2 | 3 | 1 | 1 | .. | .. | 100 | .. | .. | 726 | 726 | .. | 1 25 | 130 | 60 | 190 |
| 14 | 2 | 1 | 1 | 1 | .. | .. | 100 | .. | .. | 611 | 611 | .. | 1 25 | 125 | .. | 40 |
| 15 | 2 | 2 | .. | .. | .. | .. | 100 | .. | .. | 500 | 500 | .. | 1 75 | 220 | .. | .. |
| 16 | 2 | .. | .. | .. | .. | .. | 100 | .. | .. | 450 | 450 | .. | 1 75 | 75 | .. | .. |
| 17 | 6 | 2 | 1 | 1 | .. | .. | 100 | .. | .. | 800 | 800 | .. | 1 50 | 250 | 65 | 40 |
| 18 | 5 | 5 | 1 | 1 | .. | M. | 100 | .. | .. | 1,000 | 1,000 | .. | 1 75 | 300 | .. | 60 |
| | 986 | 726 | 92 | 85 | 27 | ..... | ..... | .. | 12 | 450,071 | 309,604 | 140,467 | ..... | ..... | ..... | 18,729 |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 37 | 162 | ..... | ..... |

Peoria County—Second District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Newsam Bros., Star Mine... | W. of Peoria. | Peoria..... | S | 181 | 4.2 | 9.50 | Sh. | P. R. | H |
| 2 | Vicary Bros..... | Limestone tp. | ..... | ..... | 130 | 4. | 3.54 | D. | ..... | ..... |
| 3 | Royster Bros. & Ziegler..... | ..... | ..... | ..... | 75 | 4.8 | 2. | Sh. | ..... | ..... |
| 4 | Peter Grant, Jr., Excell. M. | ..... | ..... | ..... | 105 | 4. | 1.59 | ..... | ..... | ..... |
| 5 | F. P. Schmidt & Son..... | ..... | ..... | L | 50 | 4.2 | 1.50 | D. | ..... | ..... |
| 6 | Richard Cody..... | ..... | ..... | ..... | 25 | 4.6 | .53 | Sh. | ..... | ..... |
| 7 | Fred Martin..... | ..... | ..... | ..... | 120 | 4.6 | .60 | Sl. | ..... | ..... |
| 8 | Fred Mohn..... | ..... | ..... | ..... | 92 | 4.6 | .60 | Sh. | ..... | ..... |
| 9 | Martin & Lane..... | ..... | ..... | ..... | 90 | 4. | .40 | D. | ..... | ..... |
| 10 | Jas. Slone..... | ..... | ..... | ..... | 90 | 4. | .16 | ..... | ..... | ..... |
| 11 | John Sanpe..... | ..... | ..... | ..... | 80 | 4. | .41 | ..... | ..... | ..... |
| 12 | Thos. Muir..... | ..... | ..... | ..... | 95 | 4.4 | .34 | ..... | ..... | ..... |
| 13 | John Glenn..... | ..... | ..... | ..... | 90 | 4.6 | .19 | Sl. | ..... | ..... |
| 14 | Richard Keif..... | ..... | ..... | ..... | 90 | 4.4 | .37 | D. | ..... | ..... |
| 15 | Ed. Brost..... | ..... | ..... | ..... | 90 | 4.6 | .94 | Sl. | ..... | ..... |
| 16 | John Birdals, Jr..... | ..... | ..... | ..... | 100 | 4.2 | .15 | D. | ..... | ..... |
| 17 | Cook Bros..... | ..... | ..... | ..... | 100 | 4.2 | .20 | ..... | ..... | ..... |
| 18 | Daniel Birdoes..... | ..... | ..... | ..... | 100 | 4.2 | .28 | ..... | ..... | ..... |
| 19 | Schneider & Masterson..... | ..... | ..... | ..... | 100 | 4.2 | .25 | ..... | ..... | ..... |
| 20 | Joos & Ruple..... | ..... | ..... | ..... | 95 | 4.2 | .25 | ..... | ..... | ..... |
| 21 | Newsam Bros., Kingston M. | Kingston M's. | Kingston M's. | S | 125 | 4.8 | 15.03 | ..... | ..... | ..... |
| 22 | Jefford & Bros..... | ..... | ..... | ..... | 100 | 4.6 | 1. | ..... | ..... | ..... |
| 23 | Peoria Coal & Mining Co. | Reed City..... | Peoria..... | ..... | 90 | 4.6 | 4.38 | Sl. | ..... | M |
| 24 | W. E. Foley..... | Mapleton..... | Mapleton..... | ..... | 90 | 4.6 | 1.55 | ..... | ..... | H |
| 25 | Sholl Bros., No. 1..... | Hollis..... | Peoria..... | ..... | 100 | 4.6 | 7.28 | ..... | ..... | ..... |
| 26 | No. 2..... | ..... | ..... | ..... | 100 | 4.6 | 1.90 | S | ..... | ..... |
| 27 | German Cooperative C. Co. | ..... | Orchard M's. | ..... | 100 | 4. | 3.31 | Sl. | ..... | ..... |
| 28 | Wolschlags Cooperat. C. C. | ..... | Peoria..... | ..... | 150 | 4.4 | 7.55 | ..... | ..... | ..... |
| 29 | Frank Lowery..... | Orchard M's. | Orchard M's. | ..... | 90 | 4.6 | .90 | ..... | ..... | ..... |
| 30 | Frank Newsam & Sons..... | LaMarsh Cr. | Mapleton..... | L | 125 | 4.6 | .44 | D. | ..... | ..... |
| 31 | Frank Jones..... | ..... | Pekin..... | ..... | 80 | 4.6 | .03 | ..... | ..... | ..... |
| 32 | Collier Cooperative C. Co. | Bartonville | Bartonville | S | 190 | 4.4 | 8.84 | Sl. | ..... | ..... |
| 33 | Joseph Sholl..... | ..... | ..... | ..... | 150 | 4.6 | 1.65 | ..... | ..... | ..... |
| 34 | White Coal Co..... | ..... | ..... | L | 170 | 4.6 | .85 | D. | ..... | ..... |
| 35 | Winter & Myatt..... | ..... | ..... | ..... | 100 | 4.6 | 2.57 | ..... | ..... | ..... |
| 36 | E. Wolland & Bros..... | ..... | ..... | ..... | 110 | 4.4 | 1.20 | ..... | ..... | ..... |
| 37 | Ball Coal Co..... | ..... | ..... | ..... | 96 | 4.4 | 1.50 | S | ..... | ..... |
| 38 | George Keller..... | ..... | ..... | ..... | 65 | 4.4 | .45 | ..... | ..... | ..... |
| 39 | Lot Hurst..... | ..... | ..... | ..... | 30 | 4. | .25 | Sl. | ..... | ..... |
| 40 | Lyman Munroe..... | ..... | ..... | ..... | 80 | 4.6 | .13 | ..... | ..... | ..... |
| 41 | Walter Treasure..... | ..... | ..... | ..... | 100 | 4.6 | .17 | D. | ..... | ..... |
| 42 | Isaac Wantling & Son..... | Pottstown | Pottstown | S | 112 | 2.6 | 1.61 | Sh. | L. W. | ..... |
| 43 | ..... | ..... | ..... | ..... | 200 | 4. | 2.50 | Sl. | R. P. | ..... |
| 44 | Thos. Wantling..... | ..... | ..... | L | 80 | 4.6 | .28 | D. | ..... | ..... |
| 45 | Miller & Fargett..... | ..... | ..... | ..... | 80 | 4. | .06 | ..... | ..... | ..... |
| 46 | Mike Cusack..... | Young's Sid. | Edwards Stat | S | 40 | 4.6 | .50 | ..... | ..... | ..... |
| 47 | C. B. Kromm..... | Edwards Stat | ..... | ..... | 40 | 4.6 | .27 | ..... | ..... | ..... |
| 48 | Howaith & Taylor Bros..... | ..... | ..... | ..... | 85 | 4.2 | 1.00 | ..... | ..... | ..... |
| 49 | Nathan Shaw..... | Kramm Stat. | Kramm Stati. | ..... | 70 | 4.6 | .90 | ..... | ..... | ..... |
| 50 | Elmwood Coal Co..... | Elmwood..... | Elmwood..... | ..... | 215 | 2.6 | 13.04 | Sh. | L. W. | ..... |
| 51 | John A. Endreas..... | ..... | ..... | L | 18 | 4.6 | .13 | ..... | R. P. | ..... |
| 52 | John P. Boland..... | ..... | ..... | ..... | 30 | 4.6 | .22 | ..... | ..... | ..... |
| 53 | Hanna City Coal Co..... | Hanna City..... | Hanna City..... | S | 250 | 4.4 | .44 | ..... | ..... | ..... |
| 54 | Fred Henning..... | ..... | ..... | L | 60 | 4.9 | .01 | D. | ..... | ..... |
| 55 | G. W. Longden..... | Brimfield..... | Brimfield..... | ..... | 40 | 5. | .24 | Sh. | ..... | ..... |
| 56 | Philip Tully..... | ..... | ..... | ..... | 30 | 4.6 | .24 | D. | ..... | ..... |
| 57 | W. G. Saunders..... | ..... | ..... | ..... | 20 | 4.6 | .06 | Sh. | ..... | ..... |
| 58 | Chas. Berry..... | Monica..... | Monica..... | ..... | 35 | 4.6 | .22 | ..... | ..... | ..... |
| 59 | Joseph J. Clarkson..... | Kickapoo..... | Kickapoo..... | ..... | 25 | 4. | .04 | D. | ..... | ..... |

Peoria County, 1896—Continued.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | AC-CIDENTS. | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 55 | 35 | 6 | 6 | 2 | S. M. | 100 | | | 40,158 | 30,119 | 10,039 | \$1 00 | 191 | \$0 70 | 1,825 |
| 2 | 24 | 10 | 3 | 3 | | W. | 100 | | | 14,190 | 14,190 | | 95 | 214 | 40 | 775 |
| 3 | 33 | 13 | 3 | 3 | | S. M. | 75 | | | 8,754 | 7,504 | 1,250 | 80 | 132 | 70 | 400 |
| 4 | 20 | 6 | 3 | 3 | 1 | | 100 | | 1 | 6,280 | 4,780 | 1,500 | 85 | 204 | 80 | 325 |
| 5 | 23 | 9 | 3 | 3 | | W. | 100 | | | 6,731 | 6,731 | | 1 00 | 288 | 75 | 363 |
| 6 | 4 | 4 | 1 | 1 | | | 100 | | | 2,400 | 2,400 | | 1 00 | 200 | | 120 |
| 7 | 8 | 2 | 1 | 1 | | S. M. | 100 | | | 2,720 | 2,720 | | 1 00 | 200 | | 170 |
| 8 | 5 | 2 | 1 | 1 | | | 100 | | | 2,800 | 2,800 | | 1 00 | 175 | | 200 |
| 9 | 3 | 3 | | | | | 100 | | | 1,600 | 1,600 | | 1 00 | 250 | | 100 |
| 10 | 2 | 2 | | | | | 100 | | | 640 | 640 | | 1 00 | 250 | | 40 |
| 11 | 5 | 2 | | | | | 100 | | | 1,621 | 1,621 | | 1 00 | 120 | | 101 |
| 12 | 2 | 2 | | | | | 100 | | | 1,550 | 1,550 | | 1 00 | 225 | | 95 |
| 13 | 4 | 1 | 1 | 1 | | | 100 | | | 875 | 875 | | 1 00 | 120 | | 55 |
| 14 | 3 | | | | | | 100 | | | 1,700 | 1,700 | | 1 00 | 230 | | 102 |
| 15 | 8 | 5 | 1 | 1 | | | 100 | | | 4,000 | 4,000 | | 1 00 | 175 | | 200 |
| 16 | 2 | | | | | | 100 | | | 201 | 201 | | 1 00 | 150 | 60 | 17 |
| 17 | 2 | | | | | | 100 | | | 808 | 808 | | 1 00 | 150 | 60 | 67 |
| 18 | 3 | | | | | | 100 | | | 1,145 | 1,145 | | 1 00 | 161 | 60 | 95 |
| 19 | 2 | | | | | | 100 | | | 1,008 | 1,008 | | 1 00 | 150 | 60 | 84 |
| 20 | 2 | | | | | | 100 | | | 1,008 | 1,008 | | 1 00 | 164 | 60 | 84 |
| 21 | 146 | 84 | 10 | 7 | | | 100 | | | 72,112 | 54,084 | 18,028 | 1 00 | 208 | 70 | 3,277 |
| 22 | | 14 | | 2 | | | 100 | | | 4,491 | 4,491 | | 1 25 | 110 | | 275 |
| 23 | 88 | 47 | 10 | 5 | | | 100 | | | 19,769 | 19,769 | | 80 | 137 | 60 | 197 |
| 24 | 35 | 10 | 2 | 2 | | | 100 | 1 | 2 | 7,000 | 7,000 | | 80 | 193 | 50 | 300 |
| 25 | 40 | 35 | 5 | 4 | | | 100 | | | 32,757 | 22,700 | 10,057 | 85 | 218 | 70 | 1,352 |
| 26 | 18 | 10 | 3 | 2 | | | 100 | | | 8,550 | 6,000 | 2,550 | 85 | 100 | 70 | 273 |
| 27 | 26 | 20 | 2 | 2 | | | 100 | | | 13,232 | 9,294 | 3,938 | 81 | 186 | 70 | 551 |
| 28 | 69 | 43 | 2 | 2 | | M. | 100 | | | 30,200 | 20,300 | 9,900 | 82 ¹ / ₂ | 200 | 60 | 1,800 |
| 29 | 22 | 17 | 2 | 2 | | | 100 | | | 4,000 | 4,000 | | 1 15 | 135 | 70 | 250 |
| 30 | 3 | 2 | | | | W. | 100 | | | 2,000 | 2,000 | | 87 ¹ / ₂ | 200 | 60 | 40 |
| 31 | 1 | | | | | S. M. | 100 | | | 160 | 160 | | 87 ¹ / ₂ | 90 | | 8 |
| 32 | 30 | 30 | 3 | 3 | | M. | 100 | 1 | | 35,363 | 24,950 | 10,413 | 85 | 256 | 60 | 1,871 |
| 33 | 30 | 10 | 3 | 2 | | S. M. | 100 | | | 7,427 | 7,427 | | 1 00 | 161 | 35 | 412 |
| 34 | 10 | 10 | 1 | 1 | | | 100 | | | 3,880 | 3,880 | | 1 00 | 200 | | 240 |
| 35 | 14 | 14 | 2 | 1 | | M. | 100 | | | 11,577 | 10,617 | 960 | 1 00 | 250 | 60 | 580 |
| 36 | 7 | 3 | 1 | 1 | | | 100 | | | 4,984 | 4,784 | 200 | 1 00 | 275 | 70 | 218 |
| 37 | 7 | 5 | 1 | 1 | | | 100 | | | 6,222 | 6,222 | | 1 00 | 275 | 60 | 390 |
| 38 | 5 | 1 | 1 | 1 | | W. | 100 | | | 1,786 | 1,786 | | 1 00 | 160 | 80 | 78 |
| 39 | 2 | | | | | | 100 | | | 1,000 | 1,000 | | 1 00 | 200 | 60 | 50 |
| 40 | 2 | | | | | | 100 | | | 600 | 600 | | 1 00 | 75 | | 30 |
| 41 | 2 | | | | | | 100 | | | 760 | 760 | | 1 00 | 80 | | |
| 42 | 20 | 36 | 3 | 3 | 1 | M. | 100 | 1 | 1 | 6,057 | 5,087 | 970 | 1 05 | 180 | 70 | 302 |
| 43 | 33 | 28 | 4 | 4 | | | 100 | | | 10,570 | 8,818 | 1,752 | 1 05 | 300 | 70 | 528 |
| 44 | 4 | 2 | | | | S. M. | 100 | | | 1,284 | 1,284 | | 1 00 | 180 | | 46 |
| 45 | 3 | | | | | | 100 | | | 240 | 240 | | 1 00 | 75 | | 15 |
| 46 | 5 | 2 | 1 | 1 | | M. | 100 | | | 2,240 | 2,240 | | 90 | 180 | 75 | 140 |
| 47 | 4 | | | | | S. M. | 100 | | | 1,200 | 1,200 | | 85 | 100 | | 60 |
| 48 | 39 | 17 | 3 | 2 | | | 100 | | | 4,000 | 4,000 | | 1 00 | 5 | | 200 |
| 49 | 16 | 7 | 1 | 1 | | | 100 | | | 4,280 | 4,280 | | 85 | 175 | 70 | 268 |
| 50 | 102 | 112 | 14 | 14 | 2 | | 100 | 1 | | 48,800 | 42,000 | 6,800 | 1 10 | 300 | | 120 |
| 51 | 4 | | 1 | | | W. | 100 | | | 600 | 600 | | 1 25 | 200 | 60 | |
| 52 | 3 | 1 | 1 | 1 | | | 100 | | | 1,000 | 1,000 | | 1 25 | 125 | 50 | |
| 53 | 21 | 5 | 2 | 2 | | S. M. | 100 | | | 2,000 | 2,000 | | 90 | 70 | 60 | 100 |
| 54 | 1 | | | | | | 100 | | | 40 | 40 | | 1 25 | 25 | 60 | 2 |
| 55 | 7 | | 1 | | | W. | 100 | | | 1,400 | 1,400 | | 1 50 | 180 | | |
| 56 | 8 | 1 | 1 | 1 | | S. M. | 100 | | | 1,080 | 1,080 | | 1 50 | 175 | | 55 |
| 57 | 4 | 1 | 1 | 1 | | | 100 | | | 280 | 280 | | 1 25 | 120 | | |
| 58 | 6 | 1 | 1 | 1 | | | 100 | | | 1,000 | 1,000 | | 1 25 | 175 | | |
| 59 | 3 | | | | | | 100 | | | 160 | 160 | | 1 50 | 60 | | |

Peoria County—Second District—1896—Concluded.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|---------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 60 | Wm. Poole..... | .. .. | .. .. | .. | 70 | 5. | .10 | Sl. | .. | .. |
| 61 | Henry Heinz..... | .. .. | .. .. | .. | 40 | 5. | .03 | Sh. | .. | .. |
| 62 | Wm. Vaughn..... | Jubilee..... | Jub lee..... | .. | 80 | 3. | .04 | D. | .. | .. |
| 63 | Robt. Taylor..... | Princeville..... | Princeville..... | .. | 16 | 5. | .15 | Sh. | .. | .. |
| 64 | Joseph Crew..... | Chillicothe..... | Chillicothe..... | .. | 150 | 3.6 | .25 | Sl. | .. | .. |
| 65 | Wm. Dodsworth..... | Laura..... | Laura..... | .. | 20 | 4. | .05 | D. | .. | .. |
| 66 | Wm. Scott..... | ..... | ..... | .. | 20 | 4. | .05 | Sh. | .. | .. |
| Totals..... | | | | | | | 107.09 | | | |
| Averages (18 mines) | | | | | | | | | | |

Rock Island County—Second District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|--------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine, or both. |
| 1 | Black Diamond Coal Co.... | Coal Valley... | Rock Island... | S. | 50 | 3.6 | 1 | Sh. | R. P. | H. |
| 2 | Banner Coal Co..... | .. .. | Coal Valley... | L. | 50 | 3.6 | 2.22 | Sl. | .. | .. |
| 3 | Bardsley & Lee..... | .. .. | .. .. | .. | 20 | 3.6 | .06 | Dr. | .. | .. |
| 4 | Robert Summerson..... | .. .. | .. .. | .. | 80 | 3.9 | .25 | Sl. | .. | .. |
| 5 | Wilkinson & Summerson .. | .. .. | .. .. | .. | 24 | 4. | .12 | Sh. | .. | .. |
| 6 | Zadoc Wynn..... | .. .. | .. .. | .. | 45 | 3. | .34 | .. | .. | .. |
| 7 | B. K. Lewis..... | .. .. | .. .. | .. | 17 | 3. | .02 | .. | .. | .. |
| 8 | James Sackville..... | .. .. | .. .. | .. | 52 | 3. | .05 | .. | .. | .. |
| 9 | Hynd Coal Co..... | Loding..... | Loding..... | .. | 50 | 3.6 | .45 | .. | .. | .. |
| 10 | Mrs. John Loding..... | .. .. | .. .. | .. | 20 | 3.6 | .96 | Sl. | .. | .. |
| 11 | Jamieson Coal Co..... | .. .. | .. .. | .. | 65 | 3.6 | 1.17 | Sh. | .. | .. |
| 12 | Chas. Mangelson..... | Happy Hollow | Hampton..... | .. | 40 | 3.6 | .05 | Sl. | .. | .. |
| 13 | James M. Cook..... | .. .. | .. .. | .. | 75 | 3. | .13 | Sh. | .. | .. |
| 14 | Fred Von Ach..... | .. .. | .. .. | .. | 70 | 3.6 | .17 | .. | .. | .. |
| 15 | Guckert Bros..... | Hampton..... | .. .. | .. | 56 | 4. | .21 | .. | .. | .. |
| 16 | Wm. Parker & Son..... | Milan..... | Milan..... | .. | 53 | 3.6 | .60 | .. | .. | .. |
| 17 | David Walsh..... | .. .. | .. .. | .. | 48 | 3.6 | .63 | .. | .. | .. |
| 18 | Silvis & Silvis..... | Carbon Cliff.. | Carbon Cliff.. | .. | 65 | 4. | 1.14 | Sl. | .. | .. |
| Totals (18 mines)..... | | | | | | | 9.57 | | | |
| Averages..... | | | | | | | | | | |

Peoria County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 60 | 4 | 1 | 1 | 1 | ..... | S. M. | 100 | ..... | ..... | 520 | 520 | ..... | \$1 50 | 100 | ..... | ..... |
| 61 | 2 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 160 | 160 | ..... | 1 50 | 100 | ..... | ..... |
| 62 | 1 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 125 | 125 | ..... | 1 25 | 78 | ..... | ..... |
| 63 | 4 | 3 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 624 | 624 | ..... | 1 75 | 156 | ..... | ..... |
| 64 | 3 | 1 | ..... | ..... | ..... | M. | 100 | ..... | ..... | 942 | 942 | ..... | 1 25 | 56 | 75 | 12 |
| 65 | 2 | ..... | ..... | ..... | ..... | W. | 100 | ..... | ..... | 200 | 200 | ..... | 1 25 | 100 | ..... | ..... |
| 66 | 2 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 200 | 200 | ..... | 1 50 | 95 | 60 | ..... |
| | 1,073 | 673 | 107 | 92 | 6 | ..... | ..... | ..... | 2 6 | 457,061 | 378,704 | 78,857 | ..... | ..... | ..... | 19,236 |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 06 | 166 | ..... | ..... |

Rock Island County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 12 | 6 | 1 | 1 | ..... | S. M. | 100 | ..... | ..... | 3,348 | 3,448 | ..... | \$1 50 | 196 | ..... | ..... |
| 2 | 31 | 4 | 3 | 1 | ..... | ..... | 100 | ..... | ..... | 2,000 | 2,000 | ..... | 1 50 | 150 | 80 70 | ..... |
| 3 | 2 | ..... | ..... | ..... | ..... | M. | 100 | ..... | ..... | 200 | 200 | ..... | 1 25 | 60 | ..... | ..... |
| 4 | 6 | ..... | 1 | ..... | ..... | W. | 100 | ..... | ..... | 1,221 | 1,221 | ..... | 1 50 | 135 | 60 | 125 |
| 5 | 6 | ..... | 1 | ..... | ..... | ..... | 100 | ..... | ..... | 550 | 550 | ..... | 1 50 | 75 | ..... | ..... |
| 6 | 5 | 1 | 1 | 1 | ..... | ..... | 100 | 1 | ..... | 1,020 | 1,000 | 20 | 1 40 | 200 | 60 | 60 |
| 7 | 3 | ..... | ..... | ..... | ..... | S. M. | 100 | ..... | ..... | 56 | 56 | ..... | 1 40 | 50 | 60 | ..... |
| 8 | 3 | ..... | 1 | ..... | ..... | W. | 100 | ..... | ..... | 136 | 136 | ..... | 1 50 | 65 | 60 | 1 |
| 9 | 7 | 2 | 1 | 1 | ..... | S. M. | 100 | ..... | ..... | 1,560 | 1,560 | ..... | 1 50 | 250 | ..... | 110 |
| 10 | 11 | 6 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 3,060 | 3,060 | ..... | 1 50 | 180 | ..... | 145 |
| 11 | 20 | 2 | 2 | 1 | ..... | W. | 100 | ..... | ..... | 4,100 | 4,000 | 100 | 1 50 | 200 | 60 | 157 |
| 12 | 3 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 160 | 160 | ..... | 1 50 | 140 | 35 | 9 |
| 13 | 3 | ..... | 1 | ..... | ..... | ..... | 100 | ..... | ..... | 400 | 400 | ..... | 1 50 | 90 | ..... | 25 |
| 14 | 5 | 3 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 600 | 500 | 100 | 1 50 | 200 | 65 | 12 |
| 15 | 4 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 813 | 813 | ..... | 1 50 | 180 | ..... | ..... |
| 16 | 7 | ..... | 1 | ..... | ..... | ..... | 100 | ..... | ..... | 2,000 | 2,000 | ..... | 1 50 | 150 | ..... | 125 |
| 17 | 9 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 2,200 | 2,200 | ..... | 1 50 | 175 | 75 | 60 |
| 18 | 12 | 12 | 2 | 2 | ..... | M. | 100 | ..... | ..... | 4,541 | 3,000 | 1,541 | 1 50 | 200 | 90 | 175 |
| | 148 | 39 | 20 | 11 | ..... | ..... | ..... | 1 | ..... | 34,065 | 32,304 | 1,761 | ..... | ..... | ..... | 1,004 |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 16 | 145 | ..... | ..... |

Stark County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 7 | | 1 | | | W. | 100. | | | 1,992 | 1,992 | | \$1 25 | 200 | | 35 |
| 2 | 6 | 2 | 1 | 1 | | | 100. | | | 1,800 | 1,800 | | 1 50 | 200 | \$0 60 | 40 |
| 3 | 4 | | 1 | | | | 100. | | | 70 | 70 | | 1 50 | 50 | | |
| 4 | 4 | | | | | | 100. | | | 441 | 441 | | 1 50 | 100 | 60 | |
| 5 | 4 | | 1 | | | | 100. | | | 1,003 | 1,003 | | 1 50 | 125 | 60 | 2 |
| 6 | 3 | | | | | | 100. | | | 1,200 | 1,200 | | 1 25 | 150 | | |
| 7 | 8 | 3 | 1 | 1 | | | 100. | | | 1,000 | 1,000 | | 1 37 ¹ / ₂ | 150 | 60 | |
| 8 | 4 | | 1 | | | | 100. | | | 400 | 400 | | 1 50 | 80 | | |
| 9 | 5 | 1 | 1 | 1 | | | 100. | | | 646 | 646 | | 1 75 | 125 | | |
| 10 | 5 | | 1 | 1 | | | 100. | | | 583 | 583 | | 1 75 | 200 | | 37 |
| 11 | 6 | 2 | 1 | 1 | | | 100. | 1 | | 1,720 | 1,720 | | 1 50 | 200 | | 100 |
| 12 | 5 | 1 | 1 | 1 | | | 100. | | | 850 | 850 | | 1 50 | 160 | | 10 |
| 13 | 5 | 1 | 1 | 1 | | | 100. | | | 1,768 | 1,768 | | 1 25 | 200 | | 45 |
| 14 | 1 | 1 | | | | | 100. | | | 80 | 80 | | 1 25 | 50 | | |
| 15 | 2 | | | | | | 100. | | | 240 | 240 | | 1 25 | 120 | | |
| 16 | 4 | 1 | 1 | 1 | | | 100. | | | 800 | 800 | | 1 50 | 100 | | |
| 17 | 5 | 2 | | | | | 100. | | | 760 | 760 | | 1 37 ¹ / ₂ | 150 | | |
| 18 | 6 | 2 | 1 | 1 | | | 100. | | | 1,520 | 1,520 | | 1 75 | 200 | | 72 |
| 19 | 3 | | 1 | | | | 100. | | | 300 | 300 | | 1 50 | 50 | | |
| 20 | 2 | | 1 | | | | 100. | | | 912 | 912 | | 1 50 | 225 | | 32 |
| | 88 | 19 | 16 | 10 | | | | | 1 | 18,085 | 18,085 | | | | | 375 |
| | | | | | | | | | | | | | \$1 41 | 142 | | |

Woodford County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 259 | 209 | 40 | 40 | 25 | M. | .85 | 1 | 4 | 100,000 | 85,000 | 15,000 | \$1 25 | 200 | 60 | ..... |  |
| 2 | 178 | 162 | 13 | 12 | 13 | S. M. | .92 | .. | 4 | 62,790 | 60,380 | 2,410 | 1 29 | 167 | 65 | ..... |  |
| | 437 | 371 | 53 | 52 | 38 | ..... | ..... | 1 | 8 | 162,790 | 145,380 | 17,410 | ..... | ..... | ..... | ..... |  |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1.27 | 183 | ..... | ..... |  |

THIRD INSPECTION DISTRICT—1896.

Mr. George A. Schilling, Secretary of the Bureau of Labor Statistics, Springfield, Illinois:

SIR:—In compliance with section 12 of the General Mining Law, I herewith submit the first annual coal report for the third inspection district, as now existing, being the thirteenth annual report of the inspector of mines, and for the year ending July 1, 1896. The report contains the usual tabulated statement as gathered from the operators, together with my own.

The following is a summary:

| | |
|--|---------------|
| Number of shipping mines..... | 28 |
| Number of local mines..... | 182 |
| Total number of mines..... | 210 |
| Number of new mines..... | 28 |
| Number of abandoned mines..... | 25 |
| Highest number of employes at one time..... | 2,134 |
| Highest number of miners employed during the winter..... | 1,806 |
| Lowest number of miners employed during the summer..... | 1,002 |
| Average number of employes for the year..... | 1,687 |
| Boys under 16 years of age employed under ground..... | 44 |
| Total number tons of coal produced..... | 628,595 |
| Total number tons of lump coal..... | 524,411 |
| Total number tons of other grades..... | 104,184 |
| Average value of lump coal per ton at the mines..... | \$1 05 |
| Aggregate value of total product..... | \$580,211 00 |
| Estimated number of acres mined..... | 157.49 |
| Total number of kegs of powder used..... | 18,489 |
| Average value per keg at the mine..... | \$1 80 |
| Aggregate cost to miners..... | \$33,240 00 |
| Average number of running days..... | 157 |
| Oil per gallon, 22-24 gravity..... | \$0 60—\$0 80 |
| Earnings of miners, not including pay received for narrow or deficient work..... | \$360,764 00 |
| Average earnings per man..... | \$257 00 |
| Average price per ton for mining..... | \$0 69 |
| Number of fatal accidents..... | 4 |
| Number of non-fatal accidents..... | 10 |
| Tons of coal per fatal accident..... | 157,146 |
| Number of employes per fatal accident..... | 422 |
| Number of employes per non-fatal accident..... | 169 |
| Tons of coal per non-fatal accident..... | 62,858 |
| Wives made widows..... | 3 |
| Children made fatherless..... | 6 |
| Time lost by non-fatal accidents—days..... | 427 |
| Number of dependents..... | 11 |

A comparative table of gross production and aggregate value of the same counties for 1895 and 1896, showing an increase in production and a decrease in value, is here presented:

| COUNTIES. | ALL GRADES. | | Increase, 1896. | Decrease, 1896. | AGGREGATE VALUE. | |
|-------------------|-------------|---------|--------------------|--------------------|------------------|---------|
| | 1895. | 1896. | | | 1895. | 1896. |
| Hancock..... | 10,274 | 4,497 | | 5,777 | \$14,676 | \$6,681 |
| Schuyler..... | 12,600 | 7,915 | | 4,685 | 13,310 | 8,270 |
| Fulton..... | 468,792 | 516,359 | 47,567 | | 400,467 | 434,898 |
| McDonough..... | 53,387 | 48,571 | | 5,816 | 75,079 | 61,544 |
| Warren..... | 14,191 | 12,696 | | 1,495 | 25,679 | 20,843 |
| Knox..... | 58,330 | 39,557 | | 18,773 | 66,643 | 47,973 |
| Total..... | 617,574 | 628,505 | 47,567 | 36,546 | 595,849 | 580,211 |
| | | | 36,546 | | 580,211 | |
| Net increase..... | | | 11,021 | | | |
| Net decrease..... | | | | | 15,637 | |

The increase in tonnage is due to Fulton county shipping mines. The local mines have fallen off nearly one-half in their output, with a general decline in prices.

Improvements.—The Whitebreast Fuel Company in their Dunfermline mine cleaned out the intake airway on the north side of that mine and re-timbered it for a distance of about 80 yards. This greatly improved the ventilation on that side of the shaft. The Maplewood Coal Company in their Farmington mine cleaned out the return airway of that mine for a distance of 60 yards and reversed the direction of the air current which greatly improved the ventilation.

The Astoria Coal and Mining Company put down a new air shaft to their Astoria mine which makes it one of the best ventilated mines in the district.

F. H. Williams, at his Norris mine, covered the building which incloses the fan and top air shaft with corrugated iron for the purpose of better protection of the employes in case of fire; the shaft was sunk under the old law, and is closely situated to the main shaft.

All of the new and abandoned mines are local with the exception of the Colchester Coal and Mining Company; they replaced their abandoned mine by a new one designed the same as the old and 450 yards east of it on the same track. The hoisting machinery, fan and tower are used at the new shaft under the same design.

Meredith Bros., Augusta, have replaced their abandoned mine with a new one designed the same as the old, and 400 to 500 yards southeast of their old one and the same distance from the railroad. They intend to deliver the product of the mine to the railroad flats by a tram road and horse. These two mines are in the shipping list, the rest of new or abandoned mines are in local trade, and as the coal crops to the surface in numerous places through the district, new mines are cheaply constructed and are of short duration.

Labor Troubles.—At the Norris mine, operated by D. H. Williams, a reduction of five cents per ton in the price of mining took effect on April 15. The miners would not concede the reduction and a strike followed which

affected about 80 men and lasted three weeks, when the operators terms were accepted and work resumed. This was five cents they received over and above the district price on account of the amount of dirt encountered in mining the seam.

Fatal Accidents.—October 14, 1895, George and James O'Hallarn, brothers, aged respectively 30 and 33 years, miners, were killed by falling roof in Canton Coal Company's mine, one mile west of Canton, Fulton county. At the time of the accident they were at work taking out the pillar in room 13, N. W. entry. On Saturday, the 12th, the foreman, H. C. Solenberger, was in their place, and told them to take no more coal off the pillar on which they were working, and apparently they had followed his advice, and came further out and fired two shots on the next pillar. On returning to work on Monday, they commenced to mine coal off the abandoned pillar, and between two and three o'clock James Dalton, another miner, went in to visit them. They were mining coal off to a horseback that run through the pillar and across the room. Dalton asked them how far they intended to take out the coal, to which James O'Hallarn replied they would be finished in about an hour. At that time they did not have any props set up under the roof where they were working. Some time after that a noise similar to the firing of a shot was heard coming from the direction of O'Hallarn's room, but no notice was taken. All the other miners went out at 4:45 p. m. by way of the escape shaft, their usual way of going out and into the mine. The O'Hallarn brothers not coming home as usual, the wife of James became alarmed, and at 11 p. m. notified Wm. Bell, a miner employed in the same mine, and he organized a searching party and went to the room where the brothers worked. There they found them buried under the fallen roof. The portion falling in measured 21x23 feet in area, and 9 inches in depth. The bodies were taken out by one o'clock in the morning. From the position under the fall, they had received some warning of their danger, and had attempted to escape. James' death was due to suffocation; George had his neck broken and skull fractured. On investigating the area falling in, there was but one prop under it. At this mine the roof is tolerably strong and the coal is blasted off the solid, and the props are kept as far back from the face as is consistent with safety. They were about to discontinue taking coal from that pillar, and it is evident that they had been trying to finish it with as few props as possible, but on account of the horseback there was a slip in the roof, and it gave way without much warning. No company hands were in the mine at the time, which accounts for the length of time before deceased were found. James left a widow and three children; George, a widow.

November 11, Daniel Murray, aged 20 years, single, driver, employed in the Whitebreast Fuel Co. mine "C," at Dunfermline, was so injured by loaded mine cars running on top of him while driving in the above mine, that he died three days later. At first his injuries were not thought to be serious. Deceased was, at the time of receiving his injuries, coming with a loaded trip of two cars out of the sixth east entry of main south. On this entry there is a slight grade in favor of the loads, which requires the service

of a sprag to control the momentum of the cars. He had just put in the sprag, and then jumped on the tail-chain, his usual place of riding, but this time the mule jerked about the time Murray jumped on the chain, and threw him out. He fell across the rails, the cars running over him crushed him internally, which resulted in his death on the 14th of November.

March 13, 1896, Andrew Lundeen, aged 40 years, a miner, employed mining coal in Hamilton Taylor's local mine, situated one and one-half miles east of Wataga, was fatally injured by falling slate. He died on the 17th of April. At the time he received his injuries he and his partner were running coal off a pillar in southeast entry, and had taken but one fall of it, about two feet deep, and the width of the pillar, 15 feet. Over this coal there is a draw slate between four and six inches thick, which either falls after the coal or is taken down, and in some instances is propped up. In this case, Lundeen and his partner were waiting to have all their loose coal loaded out before removing or securing the draw slate, and an hour previous to Lundeen receiving his injuries, the foreman, Mr. Roddell, was in the place and called their attention to the draw slate, which afterwards fell. The piece that fell measured 2 1-2x6 feet in area and 4 inches thick. It broke in two over his body, inflicting spinal injuries which resulted in death. He left a widow and three children.

Non-Fatal Accidents—November 7, 1895, George English, miner, aged 37 years, married, wife and three children, had his ankle dislocated by falling down Frank Burdick's local shaft, 28 feet, which is situated one mile west of Industry. At this mine the coal is hoisted by a horse clutch-windlass and hemp rope. On account of the shallowness of the seam the miners often come up the ladder, which is a vertical one in the hoist way, and hoist their own coal. This time Mr. English had done so and unclutching the windlass lowered his empty car to the bottom, and without making the windlass secure with the brake, or going into the mine by way of the ladder, started down by means of sliding the rope, which, of course, unwound to its end, jerking the staple out which held it fast to the windlass. He fell about 20 feet, landing on the cross head of the cage, dislocating his ankle and disabling him for 40 days.

November 8, 1895, George Hart, single, colored, miner, aged 36 years, was severely burned on the arms and body by an explosion of powder in his working room. He was mining coal in the Whitebreast Fuel Company's mine "C" at Dunfermline. At the time of receiving his injuries was charging a hole in the coal preparatory to putting off a blast. In drilling the hole, he encountered sulphur with his machine, and had to use a hand-drill to cut through, which left the hole at that point somewhat smaller than the other portion of it, and when he came to charging it the cartridge would not pass the small division of the hole, and being close on firing time he was in a hurry and took up the drill that he used in cutting through the sulphur and with the sharp end of it, proceeded to ram the cartridge in the hole. It ignited and burned him so severely that he could not return to work before the first of April.

December 11, 1895, George B. Clough, miner, aged 60 years, had his collar bone broken by a descending cage in the Norris mine, operated by D. H. Williams and located at Norris, Fulton county. On the morning of the above date, Mr. Clough had gone into the mine and having some tools on the opposite side of the bottom to where he worked, crossed over by way of the cage to get his picks. On returning he made a mistake and crossed under the cage that was coming down, and before he had time to pass the cage struck him. There were six men on the cage at the time, but the engineer felt that there was something in the way of the descending cage and stopped it before its weight had rested on Mr. Clough, thereby saving his life.

February 12, 1896, Morris Wilson, a miner, had his wrist dislocated while mining coal in George Essex mine, situated at Soperville, Knox county. At the time he received his injuries he was mining a standing shot, a portion of which gave way; he threw up his hand to stop it falling on him, and in the act had his hand dislocated at the wrist joint. He was unable to work for two months.

March 11, 1896, Thomas Cogswell, aged 24 years, miner, had his leg bruised by falling coal in Hamilton Taylor's mine, $1\frac{1}{2}$ miles east of Wataga. At the time he received his injuries he was engaged in mining coal in the above mine, when a portion gave way, falling on his leg. He was unable to work for two weeks.

April 21, 1896, Henry Fullerton, aged 52 years, miner, had his ankle bruised by falling clay in the opening of a new drift for Thos. Caldwell, at Avon. Here the coal crops to the surface, and Mr. Fullerton was engaged helping Mr. Caldwell make a new drift, when a portion of the surface clay rolled down on Mr. Fullerton's ankle, bruising it so as to disable him for twenty-four days.

May 4, 1896. C. R. Monday, a miner, employed in the Farmington Coal Company's mine at Farmington, had his leg bruised by falling coal and slate. He was mining a standing shot, when a portion of it gave way and fell on his leg, injuring him. He was unable to work for fifteen days.

December 8, 1895, Edward Owens, aged 26 years, a driver employed in the Whitebreast Fuel Company's mine at Dunfermline, had his breast hurt. He was hauling a car loaded with mine timbers to the face, and was riding on the car, when he came to a low portion of the entry and was caught between the roof and the props on the car. He was unable to work for eight days.

June 1, 1896, Dyer Stofflebaum, a miner, employed in the Whitebreast Fuel Company's mine at Dunfermline, had his arm bruised by flying coal from a shot in his room. He was placing three shots at once, but after lighting the squibs of two of them and attempting the third, he began to think that he had better retreat to a place of safety, as there was danger in waiting too long to light the third shot; he retreated, not thinking that he had left any fire on the third shot, and after hearing two go off in his room, returned to light the third, but it went off before he reached the face, and some of the coal flying from it caught him, disabling one of his arms so that he was unable to work for eight days.

June 16, 1896, Wm. Rice, driver, aged 32 years, had his leg broken while driving a mule in the Maplewood Coal Company's mine at Farmington. He was hauling coal from the first parting to the bottom of the shaft, a distance of 700 feet. A double track is laid in the entry to within a short distance of the parting; two mules are required to haul the product of the mine over this road; one hauls two and the other three cars a trip. There is a slight grade against the loads, about 2 ft. in 100 ft. The mules follow one another with their trips: Rice was driving the two-car trip mule and was on the load this time; he had made a quick trip, returning to the inside parting, hitching to another trip and starting out again, when the rear car of the other mule's trip became uncoupled and ran back, meeting Rice; his mule got out of the way, but Rice was caught by the legs between the cars before he could escape. He was disabled for three months.

The following casualties, with appended schedules giving detailed information concerning the individual mines in each county comprised within this district, completes my report for the year ending July 1, 1896.

Respectfully,

ROBERT PICKETT,

State Inspector of Mines, Third District.

CANTON, ILL.

Fatal Casualties—Third District—1896.

| Date. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Single. | Children. | No. persons dependent. | Cause of Accident. |
|------------------|-------------------------|-----------------|-------------|-------------------|---------------------------|----------|---------|-----------|------------------------|------------------------------|
| 1895. October | 14 Geo. O'Hallarn..... | 30 Miner..... | ..... | Capton | Canton Coal Co | 1 .. | 1 .. | 3 .. | 4 | Falling slate |
| November | 14 James O'Hallarn..... | 33 ..... | ..... | ..... | Whitebreast Fuel Co. | 1 .. | 1 .. | 1 .. | 1 | Crushed under pit cars |
| 1896. March | 11 Daniel Murray | 20 Driver ..... | ..... | Dunfermline ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 13 Andrew Lundeen | 40 Miner..... | ..... | Wataga | H. Taylor | 1 .. | 1 .. | 3 .. | 4 | Falling slate |
| | | | | | Total | 3 | 1 | 6 | 9 | |

Non-Fatal Casualties in and about Coal Mines in the Third District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence—Town. | Name of Mine. | Married. | Single. | Children. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost—days. |
|----------|-------------------------|------|-------------|------------------|--------------------------|----------|---------|-----------|------------------------|--|-----------------|
| 1895. | | | | | | | | | | | |
| November | 7 Geo. English..... | 37 | Miner..... | In lustry..... | Frank Burdick..... | 1 | 3 | | 4 | Ankle dislocated by fall'g down sh. | 40 |
| | 8 Geo. Hart..... | 36 | Miner..... | Dunfermline..... | Whitebreast Fuel Co..... | 1 | 1 | | 1 | Arms & body burned by powder ex. | 110 |
| December | 11 Geo. Clough..... | 60 | Miner..... | Canton..... | D. H. Williams..... | 1 | 1 | | 1 | Collar bone broken by descend.cage | 60 |
| February | 12 Morris Wilson..... | 25 | Miner..... | Superville..... | G. W. Essex..... | 1 | 1 | | 1 | Wrist dislocated by falling coal..... | 60 |
| March | 13 Thomas Cogswell..... | 24 | Miner..... | Wataga..... | H. Taylor..... | 1 | 1 | | 1 | Leg bruised by falling coal..... | 12 |
| June | 1 Dyre Stoffelbaum..... | 23 | Miner..... | Dunfermline..... | Whitebreast Fuel Co..... | 1 | 1 | | 1 | Arm bruised by fly'g coal from shot | 8 |
| December | 8 Edward Owens..... | 26 | Driver..... | Dunfermline..... | Whitebreast Fuel Co..... | 1 | 1 | | 1 | Breast bruised between roof & car. | 8 |
| 1896. | | | | | | | | | | | |
| May | 4 C. R. Monday..... | 65 | Miner..... | Farmington..... | Farmington Coal Co..... | 1 | 1 | | 1 | Leg bruised by falling coal & slate. | 15 |
| June | 16 Wm. Rice..... | 32 | Driver..... | Avon..... | Maclewood Coal Co..... | 1 | 1 | | 2 | Leg broken by pit car..... | 90 |
| April | 21 Henry Fullerton..... | 52 | Miner..... | Avon..... | Thomas Caldwell..... | 1 | 2 | | 3 | Ankle bruised by falling clay..... | 24 |
| | Totals..... | | | | | 5 | 5 | 6 | 11 | | 427 |

Fullon County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Whitebreast Fuel Co., C.... | Dunfermline.. | Dunfermline.. | Sh. | 90 4.6 | 27 | Sh. | P. R. | H. | |
| 2 | Carbon Coal Co. | St. Davids.... | St. Davids.... | " | 90 4.8 | 5 | " | " | " | |
| 3 | Wm. Jordan..... | " | " | " | 35 4.8 | 6.31 | " | " | " | |
| 4 | Abraham Bath..... | " | " | L. | 20 4.10 | .05 | Dr. | " | " | |
| 5 | Leonard Snyder..... | " | " | " | 20 4.10 | .04 | " | " | " | |
| 6 | Geer & Fair..... | Vermont..... | Vermont..... | " | 20 4.10 | .04 | " | " | " | |
| 7 | A. L. Rencan..... | Bushnell..... | Bushnell..... | " | 9.3 | .17 | Sl. | " | " | |
| 8 | Theodore Anderson..... | Marietta..... | Marietta..... | " | 10 2 | .12 | " | " | " | |
| 9 | Nat. Brush..... | " | " | " | 35 2.6 | .20 | Dr. | " | " | |
| 10 | Louis Huff..... | " | " | " | 35 2.6 | .04 | " | " | " | |
| 11 | Foraker & Muncy.... | " | " | " | 35 2.6 | .08 | " | " | " | |
| 12 | Joseph Clark..... | N'w P'il'd'pha | N'w P'il'd'pha | " | 35 2.6 | .14 | " | " | " | |
| 13 | James Peterson..... | " | " | " | 40 2.4 | .11 | " | " | " | |
| 14 | John Shelkey..... | " | " | " | 40 2 | .07 | " | " | " | |
| 15 | Peter Knittle..... | " | " | " | 40 2 | .02 | " | " | " | |
| 16 | Wm. Ealy..... | " | " | " | 50 2 | .01 | " | " | " | |
| 17 | James Foster..... | " | " | " | 50 2.6 | .23 | " | " | " | |
| 18 | Theodore Pumyea..... | Fairview..... | Fairview..... | " | 40 2.4 | .10 | " | " | " | |
| 19 | Samuel Parr..... | " | " | " | 45 4 | .07 | " | " | " | |
| 20 | Peter Cleary..... | " | " | " | 45 4 | .11 | " | " | " | |
| 21 | John Fulmor..... | " | " | " | 50 4 | .08 | " | " | " | |
| 22 | Wm. Brown..... | " | " | " | 30 4 | .04 | " | " | " | |
| 23 | D. Marvell..... | " | " | " | 45 4 | .06 | " | " | " | |
| 24 | John Abbadusky..... | " | " | " | 25 4 | .06 | " | " | " | |
| 25 | R. E. Gould..... | " | " | " | 60 4.6 | .20 | " | " | " | |
| 26 | H. Tompkins..... | " | " | " | 45 4.4 | .20 | " | " | " | |
| 27 | S. A. Dray..... | " | " | Sh. | 50 4.2 | .08 | Sl. | " | " | |
| 28 | Pat Meehan..... | Breeds..... | Breeds..... | L. | 30 4.4 | .06 | Dr. | " | " | |
| 29 | Wm. Sugget..... | " | " | Sh. | 70 4.6 | 6 | Sl. | " | " | |
| 30 | N. Peterson..... | " | " | " | 50 4.6 | .03 | " | " | " | |
| 31 | Cline & Son..... | London Mills. | London Mills. | " | 45 4.6 | .02 | Dr. | " | " | |
| 32 | Astoria Coal and Mining Co. | Astoria..... | Astoria..... | Sh. | 35 3 | .16 | Sh. | " | " | |
| 33 | W. W. Willock..... | " | " | " | 72 5.6 | 6.10 | " | " | " | |
| 34 | James Dimond & Son..... | " | " | Sh. | 40 5.10 | 2.32 | " | " | " | |
| 35 | Thomas Whittles..... | Bernadotte.... | Bernadotte.... | " | 35 5 | .42 | " | " | " | |
| 36 | Schuyler Williams..... | " | " | " | 30 2.4 | .12 | Dr. | " | " | |
| 37 | Harvey Smith..... | " | " | " | 25 2.4 | .06 | " | " | " | |
| 38 | Lewistown Coal Co..... | Lewistown.... | Lewistown.... | " | 30 2.4 | .03 | " | " | " | |
| 39 | Turner Bros..... | " | " | Sh. | 70 2.6 | 1 | " | " | " | |
| 40 | Leroy Casler..... | " | " | L. | 75 2.10 | 1 | Sh. | " | " | |
| 41 | Sydney Yokum..... | " | " | " | 35 2.6 | .10 | Dr. | " | " | |
| 42 | Frank Gray..... | " | " | " | 40 2.4 | .10 | " | " | " | |
| 43 | Gencil Bros..... | " | " | " | 45 2.4 | .17 | " | " | " | |
| 44 | Joseph Findley..... | " | " | " | 45 2.4 | .16 | " | " | " | |
| 45 | Isaac Bath..... | " | " | " | 40 2.4 | .08 | " | " | " | |
| 46 | R. Raddis & Son..... | Ipava..... | Ipava..... | " | 45 2.4 | .22 | " | " | " | |
| 47 | Cline & Shaw..... | Fiatt..... | Galesburg.... | Sh. | 30 5.6 | .40 | " | " | " | |
| 48 | Richard Bladgen..... | Leaman..... | Leaman..... | " | 34 4.6 | 1 | Sl. | " | " | |
| 49 | W. G. Stoke..... | " | " | " | 30 3 | .12 | Dr. | " | " | |
| 50 | Sunday Creek Coal Co..... | Middle Grove. | Middle Grove. | " | 30 3 | .10 | " | " | " | |
| 51 | Wm. Allen..... | " | " | " | 106 4 | 14 | Sh. | " | " | |
| 52 | John Bowser..... | " | " | L. | 35 3.10 | .14 | Dr. | " | " | |
| 53 | L. S. Lopeman..... | " | " | " | 35 3.10 | .10 | " | " | " | |
| 54 | Denis McCoy..... | " | " | " | 35 4 | .10 | " | " | " | |
| 55 | James Kerr..... | " | " | " | 35 3.10 | .08 | " | " | " | |
| 56 | Able Dewitt..... | " | " | " | 65 3.6 | .05 | Sh. | " | " | |
| 57 | D. H. Williams..... | Norris..... | Norris..... | " | 35 3.10 | .07 | Dr. | " | " | |
| 58 | Cyrus Walck..... | " | " | Sh. | 112 4.6 | 8 | Sh. | " | " | |
| 59 | J. N. Tyler..... | " | " | L. | 45 4 | .07 | Dr. | " | " | |
| 60 | Henry Bell..... | " | " | " | 45 4 | .01 | " | " | " | |
| 61 | W. H. Rosebaum..... | " | " | " | 45 4 | .04 | " | " | " | |
| 62 | Table Grove Coal Co..... | Table Grove.. | Table Grove.. | " | 45 4 | .06 | " | " | " | |
| 63 | Leonard Hoops..... | " | " | " | 100 2 | .31 | Sh. | " | " | |
| 64 | | " | " | " | 45 2 | .10 | Dr. | " | " | |

Fullon County, 1896—Continued.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Weekly, semi-monthly or monthly. Wages, how paid. | Per cent. gross contents of pit-car for which miner receives pay. | Ac- ci- dents | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|---------------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | |
| 1 | 282 | 203 | 20 | 16 | 16 | S. M. | 75 | 1 3 | 137,614 | 104,112 | 33,502 | 80 95 | 162 | 80 60 | 4,603 |
| 2 | 119 | 73 | 10 | 9 | 9 | W. | 75 | | 28,509 | 20,190 | 8,319 | 95 | 172 | 60 | 955 |
| 3 | 79 | 59 | 10 | 10 | 8 | W. | 75 | | 36,364 | 26,285 | 10,079 | 1 00 | 115 | 60 | 1,230 |
| 4 | 1 | 1 | | | | | 100 | | 200 | 200 | | 90 | 120 | 60 | 9 |
| 5 | 1 | 1 | | | | | 100 | | 150 | 150 | | 90 | 100 | 60 | 6 |
| 6 | 1 | 1 | | | | | 100 | | 140 | 140 | | 90 | 90 | 60 | 6 |
| 7 | 4 | 2 | | | | | 100 | | 400 | 400 | | 1 50 | 175 | 55 | |
| 8 | 3 | 1 | | | | | 100 | | 230 | 230 | | 1 25 | 125 | 60 | |
| 9 | 3 | 1 | | | | | 100 | | 350 | 350 | | 1 12 ¹ / ₂ | 225 | 80 | |
| 10 | 1 | | | | | | 100 | | 75 | 75 | | 1 12 ¹ / ₂ | 69 | 80 | |
| 11 | 1 | | | | | | 100 | | 175 | 175 | | 1 12 ¹ / ₂ | 125 | 80 | |
| 12 | 5 | 3 | | | | | 100 | | 200 | 200 | | 1 12 ¹ / ₂ | 200 | 70 | |
| 13 | 2 | 1 | | | | | 100 | | 225 | 225 | | 1 25 | 150 | 70 | |
| 14 | 1 | | | | | | 100 | | 140 | 140 | | 1 25 | 125 | 70 | |
| 15 | 1 | 1 | | | | | 100 | | 50 | 50 | | 1 25 | 75 | 70 | |
| 16 | 1 | | | | | | 100 | | 20 | 20 | | 1 50 | 30 | 70 | |
| 17 | 3 | 1 | | | | | 100 | | 480 | 480 | | 1 50 | 200 | 80 | |
| 18 | 3 | 2 | | | | | 100 | | 200 | 200 | | 1 50 | 125 | 70 | |
| 19 | 2 | 1 | | | | | 100 | | 220 | 220 | | 1 12 ¹ / ₂ | 180 | 70 | |
| 20 | 3 | 1 | | | | | 100 | | 320 | 320 | | 1 00 | 125 | 70 | 13 |
| 21 | 2 | | | | | | 100 | | 280 | 280 | | 1 00 | 165 | 70 | 14 |
| 22 | 1 | | | | | | 100 | | 125 | 125 | | 1 00 | 105 | 70 | |
| 23 | 2 | 1 | | | | | 100 | | 200 | 200 | | 1 00 | 175 | 60 | |
| 24 | 2 | | | | | | 100 | | 190 | 190 | | 1 00 | 168 | 70 | |
| 25 | 2 | 1 | | | | | 100 | | 480 | 480 | | 1 00 | 175 | 70 | 22 |
| 26 | 3 | 2 | | | | | 100 | | 740 | 740 | | 1 25 | 200 | 70 | |
| 27 | 3 | | | | | | 100 | | 280 | 280 | | 1 00 | 75 | 60 | 10 |
| 28 | 3 | 1 | | | | | 100 | | 192 | 192 | | 1 00 | 105 | 55 | 9 |
| 29 | 20 | 18 | 2 | 2 | 1 | M. | 100 | | 23,100 | 23,000 | 100 | 90 | 175 | 60 | 600 |
| 30 | 1 | 1 | | | | W. | 100 | | 125 | 125 | | 87 ¹ / ₂ | 75 | 60 | 8 |
| 31 | 1 | | | | | | 100 | | 100 | 100 | | 1 00 | 75 | 80 | |
| 32 | 3 | | | | | | 100 | | 400 | 400 | | 1 25 | 125 | 70 | 50 |
| 33 | 74 | 49 | 5 | 4 | | S. M. | 75 | | 800 | 800 | | 1 50 | 150 | 60 | 20 |
| 34 | 4 | 1 | 1 | | | W. | 100 | | 450 | 450 | | 1 25 | 180 | 60 | |
| 35 | 4 | 2 | 1 | 1 | | | 100 | | 120 | 120 | | 1 50 | 90 | 70 | |
| 36 | 2 | 1 | | | | | 100 | | 40,000 | 32,000 | 8,000 | 75 | 200 | 50 | 2,000 |
| 37 | 2 | | | | | | 100 | | 8,677 | 6,912 | 1,765 | 85 | 156 | 60 | 500 |
| 38 | 1 | | | | | | 100 | | 8,000 | 6,500 | 1,500 | 80 | 100 | 70 | 565 |
| 39 | 10 | 8 | 2 | 1 | | S. M. | 80 | | 14,029 | 14,029 | | 1 12 ¹ / ₂ | 290 | 60 | 550 |
| 40 | 8 | 4 | 2 | 1 | | W. | 100 | | 2,694 | 2,694 | | 1 00 | 225 | 60 | 136 |
| 41 | | 1 | | | | | 100 | | 1,280 | 1,280 | | 87 ¹ / ₂ | 175 | 60 | 64 |
| 42 | 2 | 1 | | | | | 100 | | 1,120 | 1,120 | | 87 ¹ / ₂ | 125 | 60 | 56 |
| 43 | 2 | 1 | | | | | 100 | | 1,600 | 1,600 | | 1 00 | 250 | 60 | 50 |
| 44 | 2 | 2 | | | | | 100 | | 500 | 500 | | 87 ¹ / ₂ | 125 | 60 | 25 |
| 45 | | 1 | | | | | 100 | | 1,050 | 1,050 | | 1 00 | 225 | 60 | 150 |
| 46 | 3 | 1 | | | | | 100 | | 40 | 40 | | 1 00 | 50 | 60 | |
| 47 | 7 | 3 | | | | | 100 | | 580 | 580 | | 1 00 | 250 | 60 | |
| 48 | 15 | 9 | 2 | 1 | | | 100 | | 320 | 320 | | 1 00 | 200 | 60 | |
| 49 | 4 | 2 | | | | | 100 | | 1,400 | 1,400 | | 1 00 | 150 | 60 | 87 |
| 50 | 3 | 2 | | | | | 100 | | 392 | 392 | | 93 ³ / ₄ | 200 | 60 | 17 |
| 51 | 95 | 69 | 9 | 7 | 4 | S. M. | 80 | | 480 | 480 | | 93 ³ / ₄ | 300 | 60 | 24 |
| 52 | 3 | 1 | | | | W. | 100 | | 1,120 | 1,120 | | 1 00 | 175 | 60 | 50 |
| 53 | 3 | | | | | | 100 | | 500 | 500 | | 1 00 | 225 | 60 | 20 |
| 54 | 3 | 1 | | | | | 100 | | 720 | 720 | | 1 00 | 200 | 60 | 30 |
| 55 | 2 | | | | | | 100 | | 350 | 350 | | 1 00 | 100 | 65 | 16 |
| 56 | 2 | | 1 | | | | 100 | | 478 | 478 | | 1 00 | 250 | 60 | 28 |
| 57 | 3 | | | | | | 100 | | 12,248 | 9,799 | 2,449 | 1 00 | 150 | 60 | 400 |
| 58 | 86 | 76 | 10 | 8 | 6 | S. M. | 67 | 1 | 13,268 | 13,268 | | 90 | 250 | 70 | 367 |
| 59 | 1 | 1 | | | | W. | 100 | | 12,000 | 11,760 | 240 | 1 00 | 185 | 70 | 300 |
| 60 | 1 | | | | | | 100 | | 12,000 | 9,000 | 3,000 | 1 00 | 150 | 70 | 400 |
| 61 | 2 | | | | | | 100 | | 1,800 | 1,700 | 100 | 1 00 | 200 | 60 | 30 |
| 62 | 2 | | | | | | 100 | | 600 | 600 | | 75 | 175 | 60 | 25 |
| 63 | 4 | | 2 | | | | 100 | | 365 | 365 | | 75 | 92 | 60 | 10 |
| 64 | 1 | | | | | | 100 | | 350 | 350 | | 1 00 | 180 | 70 | 18 |

Fulton County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 65 | J. C. Pickering | Table Grove.. | Table Grove.. | L | 30 5 | .2 | D. | P. | R. | M. |
| 6 | John Woodford | " | " | " | 30 2.4 | .22 | " | " | " | " |
| 6 | Robt. Docherty | " | " | " | 45 2.6 | .06 | Sl. | " | " | " |
| 6 | Maplewood Coal Co. | Farmington | Farmington | S | 85 4.2 | 9 | Sh. | " | " | " |
| 6 | Picton & Emons. | " | " | " | 67 4 | 2 | " | " | " | " |
| 7 | Farmington Coal Co. | " | " | " | 145 4 | 1 88 | " | " | " | " |
| 7 | Canton Coal Co. | Canton..... | Canton..... | L | 80 4.6 | 3.60 | " | " | " | " |
| 7 | E. W. Stickler | " | " | " | 60 4.6 | .65 | " | " | " | " |
| 7 | Oscar Waddell | " | " | " | 40 4.6 | .34 | Sl. | " | " | " |
| 7 | Ies. Williams | " | " | " | 40 4.6 | .3 | " | " | " | " |
| 7 | Wm. Whitham | " | " | " | 60 5 | .4 | D. | " | " | " |
| 7 | Michael Timothy | " | " | " | 40 5 | .12 | " | " | " | " |
| 7 | Gardner & Plenty | " | " | " | 70 4.8 | .27 | Sh. | " | " | " |
| 7 | James Marten | " | " | " | 25 4 | .01 | D. | " | " | " |
| 7 | Lafley & Lloyd | " | " | " | 25 4 | .16 | " | " | " | " |
| 8 | Joseph Haywood | " | " | " | 30 4.8 | .08 | " | " | " | " |
| 8 | Lewis Memmen | " | " | " | 50 4.8 | .34 | " | " | " | " |
| 8 | W. B. Hughes | " | " | " | 50 4.8 | .09 | " | " | " | " |
| 8 | Chas Scanlin | " | " | " | 50 4.8 | .12 | " | " | " | " |
| 8 | P. Linden & Son | " | " | " | 55 4.6 | .3 | " | " | " | " |
| 8 | Chas. Minnet | " | " | " | 20 4.8 | .13 | Sl. | " | " | " |
| 8 | Chas. A. Saviele | " | " | " | 40 5 | .12 | D. | " | " | " |
| 8 | Wm. Nevitt | " | " | " | 20 4.8 | .08 | Sh. | " | " | " |
| 8 | Clark & Peterson | " | " | " | 45 4.8 | .12 | " | " | " | " |
| 8 | Canton Union Coal Co. | " | " | " | 50 4.8 | 2.34 | Sl. | " | " | " |
| 90 | J. M. Laws | Cuba..... | Cuba..... | S | 85 4.8 | 2.80 | Sh. | " | " | " |
| 91 | Wm. Nicholson & Son | " | " | " | 80 4.10 | 3.70 | Sl. | " | " | " |
| 92 | Wm. Rutherford & Co. | " | " | " | 60 4.8 | 2.23 | Sh. | " | " | " |
| 93 | Bartlet & Bradley | " | " | " | 50 4.8 | .43 | Sl. | " | " | " |
| 94 | Bath & Phillips | " | " | " | 25 4.8 | .15 | D. | " | " | " |
| 95 | John Hamilton | " | " | " | 30 4.8 | .0 | " | " | " | " |
| 96 | Chas. Snyder | Banner..... | Banner..... | " | 50 4.8 | .08 | " | " | " | " |
| Totals | | | | | | 113.84 | | | | |
| Averages | | | | | | | | | | |

Fulton County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|--|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 65 | 2 | 1 | | | | W. | 100 | | | 35,107 | 28,038 | 7,069 | \$1 15 | 314 | 70 | 992 |
| 66 | 4 | | | | | | 100 | | | 1,389 | 1,389 | | 1 25 | 200 | 65 | 70 |
| 67 | 3 | | | | | | 100 | | | 1,800 | 1,800 | | 1 25 | 200 | 65 | 90 |
| 68 | 122 | 61 | 10 | 10 | 5 | M. | 80 | | 1 | 240 | 240 | | 1 25 | 125 | 70 | |
| 69 | 25 | 9 | 3 | | | | 80 | | | 125 | 125 | | 1 25 | 125 | 70 | |
| 70 | 25 | | 6 | 1 | | S. M. | 80 | | 1 | 60 | 60 | | 1 25 | 90 | 70 | |
| 71 | 27 | 20 | 3 | 3 | 2 | | 100 | | 2 | 2,536 | 1,636 | 900 | 1 15 | 200 | 60 | 25 |
| 72 | 10 | 1 | 1 | 1 | | W. | 80 | | | 3,496 | 2,331 | 1,165 | 1 50 | 234 | 60 | 150 |
| 73 | 3 | 2 | | | | | 100 | | | 215 | 215 | | 1 25 | 156 | 60 | |
| 74 | 3 | | | | | | 100 | | | 200 | 200 | | 1 25 | 175 | 60 | |
| 75 | 4 | 2 | 2 | 1 | | S. M. | 100 | | | 350 | 350 | | 1 25 | 185 | 60 | |
| 76 | 3 | 1 | | | | W. | 100 | | | 320 | 320 | | 1 25 | 175 | 60 | |
| 77 | 10 | 5 | 1 | 1 | 3 | S. M. | 100 | | | 175 | 175 | | 1 25 | 125 | 60 | |
| 78 | 2 | 1 | | | | W. | 100 | | | 450 | 375 | 75 | 1 25 | 120 | 60 | |
| 79 | 3 | 2 | | | | | 100 | | | 1,600 | 1,600 | | 1 25 | 290 | | 74 |
| 80 | 1 | 1 | | | | | 100 | | | 4,000 | 4,000 | | 1 00 | 200 | 70 | 50 |
| 81 | 5 | 2 | | | | | 100 | | | 312 | 312 | | 1 25 | 150 | 90 | 16 |
| 82 | 2 | 2 | | | | | 100 | | | 250 | 250 | | 1 25 | 175 | 90 | 14 |
| 83 | 3 | 1 | | | | | 100 | | | 56,083 | 47,079 | 9,004 | 80 | 104 | 70 | 2,616 |
| 84 | 4 | 2 | | | | | 100 | | | 450 | 450 | | 75 | 150 | 70 | 28 |
| 85 | 2 | 1 | 1 | | | | 100 | | | 350 | 350 | | 75 | 125 | 70 | 22 |
| 86 | 3 | 1 | | | | | 100 | | | 300 | 300 | | 1 00 | 125 | 70 | 18 |
| 87 | 2 | | 1 | | | | 100 | | | 250 | 250 | | 1 00 | 130 | 70 | |
| 88 | 3 | 2 | 1 | | | | 100 | | | 125 | 125 | | 1 00 | 65 | 70 | |
| 89 | 27 | 7 | 3 | 2 | | M. | 100 | | | 200 | 200 | | 75 | 100 | 75 | 12 |
| 90 | 23 | 21 | 3 | 3 | | S. M. | 100 | | | 33,093 | 22,395 | 10,698 | 1 00 | 176 | 60 | 1,296 |
| 91 | 33 | 19 | 3 | 1 | | | 100 | | | 220 | 220 | | 1 25 | 125 | 60 | |
| 92 | 24 | 16 | 3 | 3 | | | 100 | | | 20 | 20 | | 1 25 | 25 | 50 | |
| 93 | 5 | 3 | | | | | 100 | | | 150 | 150 | | 1 25 | 75 | 60 | |
| 94 | 3 | 2 | | | | W. | 100 | | | 208 | 208 | | 1 25 | 150 | 60 | |
| 95 | 1 | 1 | | | | | 100 | | | 520 | 520 | | 2 00 | 100 | 65 | |
| 96 | 2 | 2 | | | | | 100 | | | 160 | 160 | | 1 25 | 100 | 70 | |
| .. | 1,304 | 802 | 119 | 86 | 51 | | | 3 | 6 | 516,359 | 418,394 | 97,965 | | | | 18,952 |
| | | | | | | | | | | | | | \$0 954 | 153 | | |

Hancock County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Meredeth Bros..... | Augusta..... | Augusta..... | Sh. | 83 | 2.6 | 1.10 | Sh. | L. W. | H. |
| 2 | P. Doyle..... | "..... | "..... | L. | 20 | .2 | .22 | " | P. R. | " |
| 3 | J. Hiland..... | "..... | "..... | " | 25 | .2 | .12 | Sl. | " | " |
| 4 | J. W. Marks..... | "..... | "..... | " | 50 | 2.6 | .22 | Dr. | " | " |
| 5 | M. F. Ray..... | "..... | "..... | " | 35 | 2.4 | .27 | Sl. | " | " |
| 6 | Samuel Jones..... | "..... | "..... | " | 20 | 2.4 | .14 | Sh. | " | " |
| 7 | Chas. Eager..... | Golden..... | Golden..... | " | 18 | 2 | .39 | " | " | " |
| Totals (7 mines)..... | | | | | | | 2.46 | | | |
| Averages..... | | | | | | | | | | |

Hancock County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 14 | 6 | 1 | 1 | | W. | 100 | | | 2,000 | 2,000 | | \$1 37 ¹ / ₂ | 200 | \$0 60 | |
| 2 | 4 | 12 | | | | " | 100 | | | 375 | 375 | | 1 25 | 190 | 60 | |
| 3 | 4 | | | | | " | 100 | | | 192 | 192 | | 1 50 | 90 | 60 | |
| 4 | 5 | 12 | 1 | 1 | | " | 100 | | | 480 | 480 | | 1 50 | 200 | 60 | |
| 5 | 5 | | 1 | | | " | 100 | | | 540 | 540 | | 1 50 | 140 | 60 | |
| 6 | 3 | 12 | 1 | 1 | | " | 100 | | | 350 | 350 | | 1 50 | 160 | 60 | |
| 7 | 6 | 12 | 1 | 1 | | " | 100 | | | 560 | 560 | | 2 00 | 225 | 60 | |
| | 41 | 14 | 5 | 4 | | | | | | 4,497 | 4,497 | | | | | |
| | | | | | | | | | | | | | \$1 48 ¹ / ₂ | 172 | | |

Knox County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Bowman Bros..... | Yates City.... | Yates City.... | L. | 50 4.6 | .24 | Sh. | P. R. | H. | |
| 2 | John F. Weir & Co..... | " | " | " | 30 4.6 | .16 | Sl. | " | " | " |
| 3 | R. J. Marshall..... | " | " | " | 40 4.6 | .08 | Sh. | " | " | " |
| 4 | Thomas Baxter..... | " | Farmington | " | 32 4 | .15 | " | " | " | " |
| 5 | Lundeen & Sholcen..... | Knoxville | Knoxville | " | 38 2.9 | .50 | " | " | " | " |
| 6 | M. R. Brown..... | " | " | " | 18 2.6 | .67 | " | " | " | " |
| 7 | James Nelson..... | " | " | " | 40 2.6 | .16 | " | " | " | " |
| 8 | Samuel Hopper..... | " | " | " | 40 2.6 | .16 | " | " | " | " |
| 9 | Geo. Clifford, No. 1..... | Oneida..... | Oneida..... | " | 45 4.6 | .65 | " | " | " | " |
| 10 | No. 2..... | " | " | " | 45 4.6 | " | Sl. | " | " | " |
| 11 | Wm. McGovern..... | " | " | " | 20 4 | .33 | Sh. | " | " | " |
| 12 | Chas. Morgan..... | " | " | " | 18 4 | .07 | Dr. | " | " | " |
| 13 | Andrew Anderson..... | Wataga..... | Wataga..... | " | 20 4 | .10 | Sl. | " | " | " |
| 14 | C. G. Bangston & Bro..... | " | " | " | 28 4 | .15 | Sh. | " | " | " |
| 15 | Wm. Estling..... | " | " | " | 28 4 | .10 | Dr. | " | " | " |
| 16 | N. A. Anderson..... | " | " | " | 50 4 | 1.20 | " | " | " | " |
| 17 | H. Taylor..... | " | " | " | 50 4 | 1.16 | Sh. | " | " | " |
| 18 | James Taylor..... | " | " | " | 38 4 | .44 | " | " | " | " |
| 19 | George W. Essex..... | Soperville..... | Soperville..... | " | 113 4 | 2.50 | " | " | " | " |
| 20 | Reed & Pendergast..... | " | " | " | 93 4 | .80 | " | " | " | " |
| 21 | Ross & Woodward..... | " | Galesburg..... | " | 50 4 | 1.10 | " | " | " | " |
| 22 | Thomas Johnston..... | Victoria..... | Victoria..... | " | 80 4 | .30 | " | " | " | " |
| 23 | David Grimm..... | " | " | " | 50 4 | .07 | Dr. | " | " | " |
| 24 | A. Boyer..... | Etherly..... | Etherly..... | " | 55 4 | .10 | " | " | " | " |
| 25 | Wm. Cotta..... | " | " | " | 45 4 | .04 | Sl. | " | " | " |
| 26 | Edw. Peterson..... | " | " | " | 50 4 | .06 | Dr. | " | " | " |
| 27 | J. W. England..... | Scotch Dig'ins | Appletown..... | " | 30 4 | .12 | " | " | " | " |
| 28 | Eric Horkstrom..... | " | Knoxville..... | " | 40 4 | .12 | Sl. | " | " | " |
| 29 | Wm. Fish..... | " | Appletown..... | " | 35 4.4 | .05 | " | " | " | " |
| 30 | August Simpson..... | Soperville..... | Galesburg..... | " | 50 3 | 2 | Sh. | " | " | " |
| 31 | Geo. Richter..... | " | " | " | 35 3 | .12 | Sl. | " | " | " |
| Totals (31 mines)..... | | | | | | 11.90 | | | | |
| Averages..... | | | | | | | | | | |

Knor County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | 16 Number of boys under 16 years of age employed under ground. | Wages, how paid, Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | Acci- dents Fatal. Non-fatal. | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|--|--|--|---|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal pro- duced. | Total number of tons of other grades pro- duced. | Average value of lump coal at mine. | Number of days of ac- tual operation of mine | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | |
| 1 | 5 | 1 | 2 | 1 | ..... | W. | 100 | .. | 1,273 | 913 | 360 | \$1 25 | 160 | \$0 60 | ..... |
| 2 | 5 | 1 | 1 | 1 | ..... | .. | 100 | .. | 560 | 440 | 120 | 1 25 | 200 | 50 | ..... |
| 3 | 3 | .. | 1 | 1 | ..... | .. | 100 | .. | 300 | 220 | 80 | 1 25 | 80 | 1 00 | ..... |
| 4 | 12 | 1 | 1 | 1 | ..... | .. | 100 | .. | 450 | 450 | .. | 1 25 | 225 | 70 | ..... |
| 5 | 7 | 4 | 1 | 1 | ..... | .. | 100 | .. | 1,500 | 1,500 | .. | 1 37 ¹ / ₂ | 208 | 65 | ..... |
| 6 | 10 | 4 | 1 | 1 | ..... | .. | 100 | .. | 1,450 | 1,450 | .. | 1 37 ¹ / ₂ | 225 | 65 | ..... |
| 7 | 4 | .. | 1 | .. | ..... | .. | 100 | .. | 360 | 360 | .. | 1 37 ¹ / ₂ | 120 | 65 | ..... |
| 8 | 12 | .. | .. | .. | ..... | .. | 100 | .. | 350 | 350 | .. | 1 37 ¹ / ₂ | 175 | 65 | ..... |
| 9 | 7 | 1 | 1 | 1 | ..... | M. | 100 | .. | 2,000 | 2,000 | .. | 1 50 | 240 | 70 | ..... |
| 10 | 7 | 1 | 1 | .. | ..... | .. | 100 | .. | .. | .. | .. | .. | 200 | 70 | ..... |
| 11 | 13 | 2 | .. | .. | ..... | W. | 100 | .. | 1,200 | 1,200 | .. | 1 12 ¹ / ₂ | 208 | 70 | ..... |
| 12 | 2 | .. | .. | .. | ..... | .. | 100 | .. | 260 | 260 | .. | 1 00 | 104 | 65 | ..... |
| 13 | 4 | .. | 1 | .. | ..... | .. | 100 | .. | 320 | 320 | .. | 1 00 | 104 | 65 | ..... |
| 14 | 4 | 2 | 1 | .. | ..... | .. | 100 | .. | 560 | 560 | .. | 1 12 ¹ / ₂ | 106 | 65 | ..... |
| 15 | 3 | 1 | .. | .. | ..... | .. | 100 | .. | 350 | 350 | .. | 1 25 | 104 | 60 | ..... |
| 16 | 11 | 15 | 1 | 1 | ..... | .. | 100 | .. | 3,920 | 3,920 | .. | 1 10 | 200 | 60 | ..... |
| 17 | 16 | 11 | 1 | 1 | ..... | .. | 100 | 1 | 4,000 | 4,000 | .. | 1 20 | 175 | 65 | ..... |
| 18 | 7 | 2 | 1 | .. | ..... | .. | 100 | .. | 1,520 | 1,520 | .. | 1 12 ¹ / ₂ | 208 | 70 | ..... |
| 19 | 31 | 8 | 2 | 2 | ..... | S-M. | 94 | .. | 9,156 | 8,856 | 300 | 1 25 | 270 | 70 | 355 |
| 20 | 10 | 3 | 1 | 1 | ..... | M. | 100 | .. | 2,720 | 2,720 | .. | 1 25 | 200 | 60 | 40 |
| 21 | 12 | 6 | 2 | 1 | ..... | W. | 100 | .. | 3,800 | 3,800 | .. | 1 25 | 160 | 75 | ..... |
| 22 | 4 | 4 | 1 | 1 | ..... | .. | 100 | .. | 900 | 900 | .. | 1 12 ¹ / ₂ | 225 | 75 | ..... |
| 23 | 2 | 1 | .. | .. | ..... | .. | 100 | .. | 250 | 250 | .. | 1 25 | 200 | 75 | ..... |
| 24 | 2 | 1 | .. | .. | ..... | .. | 100 | .. | 300 | 300 | .. | 1 00 | 150 | 75 | ..... |
| 25 | 2 | 1 | .. | .. | ..... | .. | 100 | .. | 125 | 125 | .. | 1 00 | 100 | 75 | ..... |
| 26 | 2 | 1 | .. | .. | ..... | .. | 100 | .. | 200 | 200 | .. | 1 00 | 125 | 70 | ..... |
| 27 | 3 | 1 | .. | .. | ..... | .. | 100 | .. | 400 | 400 | .. | 1 00 | 190 | 70 | ..... |
| 28 | 3 | 2 | .. | .. | ..... | .. | 100 | .. | 350 | 350 | .. | 1 00 | 175 | 70 | ..... |
| 29 | 2 | .. | .. | .. | ..... | .. | 100 | .. | 183 | 183 | .. | 1 00 | 100 | 70 | ..... |
| 30 | 4 | 2 | 1 | .. | ..... | .. | 100 | .. | 500 | 500 | .. | 1 25 | 150 | 70 | ..... |
| 31 | 4 | .. | .. | .. | ..... | .. | 100 | .. | 300 | 300 | .. | 1 25 | 125 | 50 | 5 |
| .. | 193 | 76 | 22 | 12 | ..... | ..... | 1 | 2 | 39,557 | 38,697 | 860 | ..... | ..... | ..... | 400 |
| .. | .. | .. | .. | .. | ..... | ..... | .. | .. | .. | .. | .. | \$1 24 | 160 | \$0 67 | ..... |

McDonough County--Third District--1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Quiney Coal Co. No. 36..... | Colchester.... | Colchester.... | Sh. | 60 2.9 | 6 | Sh. | R. P. | H. | |
| 2 | Colchester C. and M. Co., A. | " | " | " | 53 2.9 | 3.8 | " | " | " | " |
| 3 | Egerton Coal Co. No. 3..... | " | " | " | 53 2.6 | 1 | " | " | " | " |
| 4 | Cowan & Cooper | " | " | L. | 26 2.4 | .40 | " | " | " | " |
| 5 | L. H. Vest | " | " | " | 43 2.6 | .33 | " | " | " | " |
| 6 | D. B. Sherbin..... | " | " | " | 40 2.4 | .54 | " | " | " | " |
| 7 | Peter Whalen..... | " | " | " | 25 2.4 | .17 | " | " | " | " |
| 8 | Wm. Robinson | Spring Creek. | " | " | 35 2.4 | .60 | Sl. | " | " | " |
| 9 | Geo. Wakefield..... | Colchester.... | " | " | 50 1.8 | .14 | " | " | " | " |
| 10 | Lowery Bros | " | " | " | 40 2.4 | .09 | " | " | " | " |
| 11 | A. Pierson | " | " | " | 50 2.6 | .02 | Sh. | " | " | " |
| 12 | James Wayland | " | " | " | 30 2.6 | .12 | D. | " | " | " |
| 13 | A. B. Wall | " | " | " | 35 2.10 | .02 | " | " | " | " |
| 14 | John Zimmerman | Rag Town | " | " | 50 2.8 | .20 | " | " | " | " |
| 15 | Newman Foster | " | " | " | 50 2 | .20 | Sh. | " | " | " |
| 16 | Thomas Kipling..... | " | " | " | 50 2 | .23 | D. | " | " | " |
| 17 | Jacob Ryan..... | " | " | " | 50 2.6 | .50 | " | " | " | " |
| 18 | Eli Hilliard | " | " | " | 50 2 | .10 | " | " | " | " |
| 19 | Wm. Kipling | " | " | " | 50 2.4 | .12 | " | " | " | " |
| 20 | Richard Laity | " | " | " | 35 2.4 | .10 | " | " | " | " |
| 21 | John Hall | Colchester.... | " | " | 50 2 | .05 | " | " | " | " |
| 22 | Hiliary Bros..... | " | " | " | 40 1.10 | .52 | " | " | " | " |
| 23 | Green Bros. & Kesler..... | " | " | " | 40 2.6 | .51 | " | " | " | " |
| 24 | Arthur Godfrey | " | " | " | 40 2.6 | .37 | " | " | " | " |
| 25 | Michael Humes | " | " | " | 40 2.6 | .13 | " | " | " | " |
| 26 | Luke Stone | " | " | " | 50 2.6 | .01 | " | " | " | " |
| 27 | W. H. Nees | " | " | " | 50 2.4 | .20 | " | " | " | " |
| 28 | Amos Abben..... | " | " | " | 50 2.4 | .30 | " | " | " | " |
| 9 | Ole Waddell..... | Tennessee.... | Tennessee.... | " | 35 2.2 | .20 | " | " | " | " |
| 30 | Fergus Whalen..... | " | " | " | 35 2.4 | .22 | " | " | " | " |
| 31 | Wm. Porter | Spring Creek. | Macomb | " | 40 2.6 | .60 | Sh. | " | " | " |
| 32 | John Berry | " | " | " | 20 2.6 | .50 | " | " | " | " |
| 33 | Michael Whalen..... | " | " | " | 40 2.6 | .34 | Sl. | " | " | " |
| 34 | Curry Teal..... | Grind Stone.. | Industry..... | " | 40 2.4 | .28 | D. | " | " | " |
| 35 | W. H. Baker..... | " | " | " | 30 2.6 | .08 | " | " | " | " |
| 36 | J. Gilligan | Industry..... | " | " | 40 2.4 | .12 | " | " | " | " |
| 37 | Frank Burdick | " | " | " | 30 2.4 | .38 | Sh. | " | " | " |
| 38 | Wilson & Foster | Blandinsville. | Blandinsville. | " | 37 2.4 | .46 | " | " | " | " |
| 39 | Kirkbride Bros..... | Vermont..... | Vermont..... | " | 60 2.8 | .30 | D. | " | " | " |
| 40 | J. C. Kirkbride..... | " | " | " | 50 2.8 | .18 | " | " | " | " |
| 41 | Mitchell Bros..... | " | " | " | 45 2.6 | .11 | " | " | " | " |
| 42 | D. W. Smith | Fandon | Fandon | " | 45 2.4 | .31 | " | " | " | " |
| Totals (42 mines) | | | | | | | 20.85 | | | |
| Averages | | | | | | | | | | |

McDonough County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | Number of boys under 16 years of age employed under ground. | | | | | | | | | | | |
| 1 | 75 | 75 | 5 | 5 | 2 | S. M. | 80 | .. | 16,495 | 14,020 | 2,475 | \$1 40 | 155 | \$0 70 | .. | |
| 2 | 28 | 28 | 3 | 3 | .. | .. | 80 | .. | 8,960 | 7,616 | 1,344 | 1 40 | 128 | 70 | .. | |
| 3 | 20 | 18 | 4 | 4 | .. | .. | 80 | .. | 2,500 | 2,000 | 500 | 1 40 | 100 | 70 | .. | |
| 4 | 4 | 4 | 1 | 1 | .. | W. | 100 | .. | 800 | 800 | .. | 1 25 | 200 | 70 | .. | |
| 5 | 6 | 2 | 1 | 1 | .. | .. | 100 | .. | 700 | 700 | .. | 1 50 | 200 | 70 | .. | |
| 6 | 8 | 2 | 1 | 1 | .. | .. | 100 | .. | 1,100 | 1,100 | .. | 1 50 | 200 | 70 | .. | |
| 7 | 9 | 4 | 1 | 1 | .. | .. | 100 | .. | 350 | 350 | .. | 1 37 $\frac{1}{2}$ | 125 | 70 | .. | |
| 8 | 6 | 1 | 1 | .. | .. | .. | 100 | .. | 1,200 | 1,200 | .. | 1 25 | 225 | 70 | .. | |
| 9 | 3 | 1 | .. | .. | .. | .. | 100 | .. | 200 | 200 | .. | 1 50 | 125 | 70 | .. | |
| 10 | 3 | 1 | .. | .. | .. | .. | 100 | .. | 175 | 175 | .. | 1 25 | 175 | 70 | .. | |
| 11 | 1 | 4 | .. | .. | .. | .. | 100 | .. | 40 | 40 | .. | 1 25 | 80 | 70 | .. | |
| 12 | 4 | 4 | .. | .. | .. | .. | 100 | .. | 240 | 240 | .. | 1 12 $\frac{1}{2}$ | 130 | 70 | .. | |
| 13 | 1 | 1 | .. | .. | .. | .. | 100 | .. | 40 | 40 | .. | 1 12 $\frac{1}{2}$ | 35 | 80 | .. | |
| 14 | 2 | 2 | .. | .. | .. | .. | 100 | .. | 400 | 400 | .. | 1 50 | 125 | 70 | .. | |
| 15 | 2 | 2 | .. | .. | .. | .. | 100 | .. | 320 | 320 | .. | 1 37 $\frac{1}{2}$ | 200 | 60 | .. | |
| 16 | 1 | 1 | .. | .. | .. | .. | 100 | .. | 400 | 400 | .. | 1 37 $\frac{1}{2}$ | 200 | 70 | .. | |
| 17 | 2 | 4 | .. | .. | .. | .. | 100 | .. | 1,000 | 1,000 | .. | 1 50 | 175 | 70 | .. | |
| 18 | 2 | 1 | .. | .. | .. | .. | 100 | .. | 160 | 160 | .. | 1 37 $\frac{1}{2}$ | 100 | 65 | .. | |
| 19 | 4 | 2 | .. | .. | .. | .. | 100 | .. | 240 | 240 | .. | 1 50 | 90 | 70 | .. | |
| 20 | 1 | 1 | .. | .. | .. | .. | 100 | .. | 220 | 220 | .. | 1 37 $\frac{1}{2}$ | 150 | 70 | .. | |
| 21 | 2 | 4 | .. | .. | .. | .. | 100 | .. | 60 | 60 | .. | 1 12 $\frac{1}{2}$ | 80 | 70 | .. | |
| 22 | 4 | 2 | .. | .. | .. | .. | 100 | .. | 750 | 750 | .. | 1 25 | 200 | 70 | .. | |
| 23 | 8 | 3 | .. | .. | .. | .. | 100 | .. | 1,100 | 1,100 | .. | 1 12 $\frac{1}{2}$ | 250 | 70 | .. | |
| 24 | 7 | 3 | .. | .. | .. | .. | 100 | .. | 800 | 800 | .. | 1 25 | 220 | 70 | .. | |
| 25 | 3 | 1 | .. | .. | .. | .. | 100 | .. | 250 | 250 | .. | 1 25 | 200 | 70 | .. | |
| 26 | 2 | 2 | .. | .. | .. | .. | 100 | .. | 48 | 48 | .. | 1 25 | 30 | 70 | .. | |
| 27 | 5 | 3 | .. | .. | .. | .. | 100 | .. | 400 | 400 | .. | 1 37 $\frac{1}{2}$ | 150 | 70 | .. | |
| 28 | 7 | 2 | .. | .. | .. | .. | 100 | .. | 600 | 600 | .. | 1 25 | 225 | 65 | .. | |
| 29 | 2 | 1 | .. | .. | .. | .. | 100 | .. | 350 | 350 | .. | 1 25 | 150 | 70 | .. | |
| 30 | 4 | 1 | .. | .. | .. | .. | 100 | .. | 450 | 450 | .. | 1 25 | 200 | 70 | .. | |
| 31 | 10 | 1 | 1 | 1 | .. | .. | 100 | .. | 1,200 | 1,200 | .. | 1 37 $\frac{1}{2}$ | 280 | 70 | .. | |
| 32 | 5 | 1 | 1 | 1 | .. | .. | 100 | .. | 1,000 | 1,000 | .. | 1 25 | 250 | 65 | .. | |
| 33 | 8 | 1 | .. | .. | .. | .. | 100 | .. | 720 | 720 | .. | 1 25 | 200 | 70 | .. | |
| 34 | 4 | 1 | .. | .. | .. | .. | 100 | .. | 480 | 480 | .. | 1 37 $\frac{1}{2}$ | 200 | 70 | .. | |
| 35 | 2 | .. | .. | .. | .. | .. | 100 | .. | 160 | 160 | .. | 1 50 | 100 | 70 | .. | |
| 36 | 2 | .. | .. | .. | .. | .. | 100 | .. | 300 | 300 | .. | 1 50 | 125 | 70 | .. | |
| 37 | 4 | 2 | 1 | 1 | .. | .. | 100 | 1 | 750 | 750 | .. | 1 50 | 250 | 70 | .. | |
| 38 | 3 | 3 | .. | .. | .. | .. | 100 | .. | 920 | 920 | .. | 1 65 | 250 | 70 | .. | |
| 39 | 3 | 3 | .. | .. | .. | .. | 100 | .. | 643 | 643 | .. | 1 75 | 124 | 58 | .. | |
| 40 | 3 | 1 | .. | .. | .. | .. | 100 | .. | 400 | 400 | .. | 1 50 | 150 | 60 | .. | |
| 41 | 2 | .. | .. | .. | .. | .. | 100 | .. | 250 | 250 | .. | 1 12 $\frac{1}{2}$ | 150 | 60 | .. | |
| 42 | 4 | 2 | .. | .. | .. | .. | 100 | .. | 650 | 650 | .. | 1 25 | 200 | 70 | .. | |
| .. | 284 | 177 | 19 | 17 | 2 | .. | .. | 1 | 47,821 | 43,502 | 4,319 | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | \$1 30 | 164 | .. | .. | |

Schuyler County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | John Kerr..... | Rushville | Rushville | L. | 48 | 4.6 | .50 | Sh. | P. R. | H. |
| 2 | Wm. Cummings..... | " | " | " | 35 | 5 | .45 | D. | " | " |
| 3 | Wm. Demry | " | " | " | 35 | 4 | .11 | Sl. | " | " |
| 4 | John Fry..... | Ray | Ray | Sh. | 50 | 2.6 | .26 | D. | " | " |
| 5 | Abe Winner | " | " | " | 50 | 2.6 | .12 | " | " | " |
| 6 | C. J. Chapman | " | " | " | 50 | 2.6 | .13 | " | " | " |
| 7 | R. Porter..... | " | " | " | 45 | 5 | .05 | " | " | " |
| 8 | Henry Croxton | Pleasant View | Pleasant View | L. | 25 | 5 | .11 | " | " | " |
| 9 | Walter Croxton | " | " | " | 25 | 5 | .08 | " | " | " |
| 10 | Hettrick & Wetmar | Frederick..... | Frederick | " | 30 | 5 | .30 | " | " | " |
| 11 | Beardstown Coal Co..... | " | " | Sh. | 40 | 2.6 | .14 | " | " | " |
| Totals (11 mines) | | | | | | | | | | |
| Averages | | | | | | | 2.25 | | | |

Schuyler County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC- CI- D'TS Fatal. Non-fatal. | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------|---------|---|---|---|--|--|---|--|-------------------------------------|--|-------------------------|--------------------------------------|
| | Winter. | Summer. | Winter. | Summer. | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine | Cost of oil per gallon. | Kegs of powder used during the year. |
| 1 | 6 | 4 | 1 | 1 | ..... | W. | 100 | ..... | 2,000 | 2,000 | ..... | \$1 15 | 260 | \$0 70 | 104 |
| 2 | 3 | 2 | ..... | ..... | ..... | ..... | 100 | ..... | 1,920 | 1,280 | 640 | 1 12 ¹ / ₂ | 100 | 60 | 75 |
| 3 | 12 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 350 | 350 | ..... | 1 12 ¹ / ₂ | 125 | 60 | 18 |
| 4 | 6 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 375 | 375 | ..... | 1 15 | 125 | 70 | ..... |
| 5 | 4 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 265 | 265 | ..... | 1 25 | 115 | 70 | ..... |
| 6 | 4 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 400 | 400 | ..... | 1 15 | 100 | 9 | ..... |
| 7 | ..... | 2 | ..... | ..... | ..... | ..... | 100 | ..... | 80 | 80 | ..... | 1 15 | 65 | 70 | ..... |
| 8 | 2 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 475 | 475 | ..... | 1 00 | 125 | 70 | 7 |
| 9 | 2 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 350 | 350 | ..... | 1 00 | 125 | 70 | 6 |
| 10 | 6 | 4 | ..... | ..... | ..... | M. | 100 | ..... | 1,200 | 1,200 | ..... | 1 00 | 150 | 80 | 60 |
| 11 | 7 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 300 | 300 | ..... | 1 25 | 90 | 80 | 20 |
| | 42 | 13 | 1 | 1 | ..... | ..... | ..... | ..... | 7,915 | 7,275 | 640 | ..... | ..... | ..... | 290 |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 13 | 125 | ..... | ..... |

Warren County—Third District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | C. F. McCarney..... | Alexis | Alexis | L. | 70 | 4.6 | .50 | D. | R. | P. |
| 2 | John Simcock | " | " | " | 40 | 4 | .23 | Sh. | " | " |
| 3 | Wm. Cook | " | " | " | 50 | 4 | .20 | " | " | " |
| 4 | Gordon & Bush..... | Monmouth... | Monmouth... | " | 55 | 2 | .70 | " | " | " |
| 5 | John Selkirk..... | " | " | " | 53 | 2 | .54 | " | " | " |
| 6 | A. Y. Welsh..... | " | " | " | 50 | 2 | .07 | D. | " | " |
| 7 | Harry Little..... | Roseville... | Roseville... | " | 45 | 2.6 | .25 | Sh. | " | " |
| 8 | Bird & Lievrance | " | " | " | 26 | 2 | .53 | Sl. | " | " |
| 9 | L. D. Carpenter..... | " | " | " | 30 | 2 | .07 | " | " | " |
| 10 | Samuel White..... | Youngtown... | " | " | 25 | 2 | .20 | Sh. | " | " |
| 11 | Thomas Wearmouth..... | " | Youngtown... | " | 40 | 2 | .12 | Sl. | " | " |
| 12 | Joseph White..... | " | " | " | 40 | 2 | .14 | D. | " | " |
| 13 | W. R. Thomas..... | " | " | " | 40 | 1.10 | .20 | Sl. | " | " |
| 14 | Thomas Lee..... | " | " | " | 50 | 2 | .06 | Sh. | " | " |
| 15 | John Booten..... | " | " | " | 40 | 2 | .10 | Sl. | " | " |
| 16 | Joseph Simpson..... | " | Swan Creek .. | " | 40 | 2 | .05 | " | " | " |
| 17 | Thomas Caldwell..... | Avon..... | Avon..... | " | 40 | 2 | .43 | " | " | " |
| 18 | Willis Clayton..... | " | " | " | 25 | 2 | .30 | " | " | " |
| 19 | Fred Nenacker..... | " | " | " | 25 | 2 | .34 | " | " | " |
| 20 | Fred Steinaker..... | " | " | " | 25 | 2 | .05 | D. | " | " |
| 21 | Cunningham & Fullerton... | " | " | " | 35 | 2 | .52 | Sl. | " | " |
| 22 | Lafayette Smith..... | " | " | " | 35 | 2.2 | .40 | D. | " | " |
| 23 | P. H. Tanney..... | " | " | " | 40 | 2.4 | .19 | " | " | " |
| Total (23 mines)..... | | | | | | | 6.19 | | | |
| Averages..... | | | | | | | | | | |

Warren County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | Accidents. | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|--|---|---|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | |
| 1 | 6 | 5 | 2 | 1 | ..... | W. | 90 | ..... | 2,000 | 1,600 | 400 | \$1 25 | 200 | 80 | 100 |
| 2 | 8 | ..... | 1 | ..... | ..... | ..... | 100 | ..... | 800 | 800 | ..... | 1 25 | 125 | 80 | 50 |
| 3 | 5 | ..... | 1 | ..... | ..... | ..... | 100 | ..... | 650 | 650 | ..... | 1 25 | 200 | 80 | 40 |
| 4 | 6 | 4 | 1 | 1 | ..... | ..... | 100 | ..... | 1,200 | 1,200 | ..... | 1 62½ | 225 | 70 | ..... |
| 5 | 5 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | 1,000 | 1,000 | ..... | 1 62½ | 260 | 70 | ..... |
| 6 | 2 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 128 | 128 | ..... | 1 75 | 120 | 70 | ..... |
| 7 | 6 | 3 | 1 | 1 | ..... | ..... | 100 | ..... | 573 | 573 | ..... | 2 00 | 225 | 70 | 5 |
| 8 | 9 | 3 | 1 | 1 | ..... | ..... | 100 | ..... | 981 | 981 | ..... | 2 25 | 250 | 70 | ..... |
| 9 | 2 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 120 | 120 | ..... | 2 00 | 125 | 70 | ..... |
| 10 | 5 | ..... | 1 | ..... | ..... | ..... | 160 | ..... | 200 | 200 | ..... | 2 00 | 150 | 60 | ..... |
| 11 | 4 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 200 | 200 | ..... | 1 75 | 225 | 90 | ..... |
| 12 | 2 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 240 | 240 | ..... | 2 00 | 100 | 70 | ..... |
| 13 | 3 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 320 | 320 | ..... | 1 87½ | 165 | 70 | ..... |
| 14 | 2 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 104 | 104 | ..... | 2 00 | 125 | 70 | ..... |
| 15 | 3 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 180 | 180 | ..... | 1 75 | 165 | 70 | ..... |
| 16 | 1 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 80 | 80 | ..... | 1 75 | 200 | 70 | ..... |
| 17 | 6 | 2 | ..... | ..... | ..... | ..... | 100 | 1 | 740 | 740 | ..... | 1 75 | 200 | 60 | ..... |
| 18 | 2 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 500 | 500 | ..... | 1 75 | 150 | 60 | ..... |
| 19 | 6 | 2 | ..... | ..... | ..... | ..... | 100 | ..... | 575 | 575 | ..... | 1 75 | 175 | 60 | ..... |
| 20 | 1 | ..... | ..... | ..... | ..... | ..... | 100 | ..... | 80 | 80 | ..... | 1 75 | 95 | 60 | ..... |
| 21 | 5 | 3 | ..... | ..... | ..... | ..... | 100 | ..... | 900 | 900 | ..... | 1 75 | 200 | 60 | ..... |
| 22 | 4 | 2 | ..... | ..... | ..... | ..... | 100 | ..... | 750 | 750 | ..... | 1 75 | 225 | 60 | ..... |
| 23 | 2 | 1 | ..... | ..... | ..... | ..... | 100 | ..... | 375 | 375 | ..... | 1 75 | 175 | 60 | ..... |
| .. | 95 | 34 | 9 | 5 | 1 | ..... | ..... | 1 | 12,696 | 12,296 | 400 | ..... | ..... | ..... | 195 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 67 | 177 | ..... | ..... |

FOURTH INSPECTION DISTRICT—1896.

MR. GEO. A. SCHILLING.

Secretary Bureau of Labor Statistics, Springfield, Ill.:

SIR:—In compliance with section twelve of the Mining Law, I herewith submit the thirteenth annual report of the State Inspector of Mines, being the first report for the Fourth District as now constituted, and for the year ending July 1, 1896.

The report gives tabulated statements showing the number of mines in operation, both shipping and local; the number of tons of coal mined; number of accidents, fatal and non-fatal; number of miners employed, and the number of all other employes in and about the mines, including boys under sixteen years of age; the number of kegs of powder used; estimated number of acres of coal worked out during the year; the number of tons of coal produced to each accident, fatal and non-fatal; fatal and non-fatal accidents per each one thousand employes and the aggregate value of all coal mined and the prices paid for mining.

The following summary is for the fiscal year ending June 1, 1896:

| | |
|--|----------------|
| Total number of mines..... | 98 |
| Total shipping mines..... | 40 |
| Total number of local mines..... | 58 |
| Highest number of miners employed..... | 2,984 |
| Other employes..... | 993 |
| Machine mine employes..... | 455 |
| Boys under sixteen years of age..... | 61 |
| Total employes in and around the mines..... | 4,493 |
| Total tons of coal mined—all grades..... | 2,802,942 |
| Total tons of lump coal..... | 1,555,783 |
| Other grades..... | 1,247,159 |
| Average price of lump coal at mines..... | \$0.8968 |
| Aggregate value of total product..... | \$2,153,394 88 |
| Average price paid for hand-mining (screened coal)—winter..... | \$0.5083 |
| summer..... | \$0.4819 |
| Number of fatal accidents..... | 14 |
| Number of non-fatal accidents..... | 69 |
| Tons of coal produced to each fatal accident..... | 200,210 |
| Tons of coal produced to each non-fatal accident..... | 40,622 |
| Fatal accidents to each one thousand employes..... | 3.12 |
| Non-fatal accidents to each one thousand employes..... | 15.35 |
| Estimated number of acres worked out..... | 433.53 |
| Kegs of powder used during the year..... | 65,230 |

New Mines—Kelly Coal Company has opened their new Number 3 mine at Westville, Vermilion county, during the year. This mine is fitted up in first class shape and is intended for one of the largest in the State. It will be a machine mine and run by electricity.

Catlin Coal Company has opened a new mine near Catlin, Vermilion county. The shaft is 168 feet deep and on the Grape Creek vein; the machinery and buildings are of a substantial character, but the seam of coal has not come up to expectations.

Harvey and Blake have opened a new mine at East Peoria, Tazewell county. It is a well fitted up mine of its class, it being intended for the local trade.

Evans and Ragle have opened a new shaft three miles west of Danville, Vermilion county, on the Big Four railroad; the machinery and buildings at this shaft are light and not intended for a large output.

Improvements.—Kelly Coal Company, of Westville, Vermilion county, has erected a 20 foot fan at their Number 3 mine, with a 10x20 engine coupled direct to the fan shaft. Fan house and buildings are of a substantial character.

Westville Coal Company, Westville, Vermilion county, has sunk an air and escape shaft at their new mine; the opening is 7x15, inside of timbers 7x9, being used for an air-way upon which they have erected a 20 foot fan, with engine and building of the first class.

Catlin Coal Company have sunk an air and escape shaft at their new mine near Catlin, Vermilion county, but the buildings and machinery are not yet erected on it.

France Bros. have sunk an air shaft at their mine west of Catlin, Vermilion county, which places this mine among the best of its class in the local trade.

O'Connell & Hume have sunk an air and escape shaft at their mine on Grape Creek, Vermilion county, which adds greatly to the quantity of air and safety to the miners.

Glenburn Coal Company, of Glenburn, Vermilion county, has put in an endless rope haulage system; also added another air compressor to their mining plant; it is of the Norwalk pattern, and has a capacity of running twenty-four Harrison machines.

Rusche Bros. have sunk an air shaft at their mine at East Peoria, Tazewell county, which adds largely to the quantity of air in the mine.

Prospective Mines.—Pawnee Coal Company has sunk a new shaft on their property near Westville, Vermilion county. It is about 166 feet deep and the largest opening in this district; the shaft will be 10x19 feet inside of timber, and will be equipped in accordance with the size of the shaft.

Hawley Coal Company, of Pekin, Tazewell county, has abandoned its old shaft and commenced sinking a new one about half a mile south of the old workings.

Eastern Illinois Coal Company has commenced opening two mines on the Grape Creek property, which has been leased for a term of years.

Fatal Accidents.—July 15, 1895, Isaac Weaver, aged 44 years, employed by Consolidated Coal Company, at their Number 4 mine, Danville, Vermilion county, to attend the railroad coal chutes, in running a car of coal from the shaft to the chute, the car jumped the track. It had been raining that morning and the tippie was wet. The deceased took a piece of timber to use as a lever to lift the car on the track; it suddenly slipped and he fell off the tippie, a distance of eighteen feet; when he was found, his back was broken. He

was taken home, where he died on July 31. The grade rail at the place where he fell off had been broken for some time previous to the accident. He left a widow and six children.

- ✓ July 31, 1895, William Zarbrough, aged 27 years, employed as a loader by the Pawnee Coal Company, Westville, Vermilion county. The deceased went into a room—number 24, sixth south entry—about 1 o'clock p. m., and commenced loading coal, when a large fall of rock fell on him, killing him instantly. The room was not properly timbered, the nearest prop to the face of the coal being eighteen feet. It was one of a number of rooms in which the timbering and blasting was done by contract. The deceased was a single man.
- ✓ August 23, 1895, John Limburger, aged 50 years, miner, employed by the Chicago and Kansas City Coal Company at their mine in Petersburg. On the morning of the 23d of August, while being lowered into the mine, the engineer lost control of the engine, causing the cage to strike the bottom with such force that his knee was dislocated and the bone of his foot broken. He was removed to Springfield, where he died September 30. He left a widow and three children.
- ✓ October 14, 1895, Anton Alberto, miner, employed by Kelly Coal Company at their No. 2 mine, near Westville, Vermilion county. The deceased was 22 years of age and single. While loading coal in his room a piece of roof fell on him, knocking him backwards over loose coal, breaking his back, from which he died October 23.
- ✓ October 23, 1895, Joseph Davidson, aged 45 years, a miner, employed by D. P. Wilson at Grape Creek mine No. 4. He had been at work half an hour the morning of the accident; it occurred at the face of the fourth west entry, where a large piece of roof fell on him, killing him instantly. He left a widow and three children.
- ✓ November 30, 1895, Joseph McGere, aged 24 years, employed as a loader by the Pawnee Coal Company, Vermilion county, at the mine near Westville. The deceased went into room 38 on fourth south entry at about 11:30 a. m. to load coal, when a large piece of roof fell on him. He lived about one hour and fifteen minutes after being taken out. The room was not properly timbered; the rock swung the timbers that were under it and came down.
- ✓ January 24, 1896, Gustavus Berresse, aged 50 years, single, employed as a miner by the Kelly Coal Company, No. 2, near Westville, Vermilion county. The deceased was killed at the face of his room, while taking down coal, a large piece falling on him while in a stooping position, killing him instantly.
- ✓ January 26, 1896, James Lynch, aged 16 years, single, committed suicide by jumping down Muncie coal shaft. The deceased was sometimes employed as fireman at the boilers of the shaft. He left a note stating his intentions.
- ✓ January 31, 1896, Andrew Jackson (colored), miner, employed by the Pawnee Coal Company of Westville, Vermilion county, was instantly killed by fall of roof in room 38, eighth north entry. He had been repeatedly warned of the roof, but paid no attention to it. He was about 35 years of age, married, family unknown.

✓ February 29, 1896, John Kunrod, miner, aged 33 years, married, no children. The deceased and his partner were attempting to recharge a shot which had blown out with the first charge, but as soon as they got the second cartridge in the hole it exploded, inflicting injuries on him from which he died March 5; also injured his partner so that he lost three months time.

✓ March 30, 1896, Clark Hesten, driver, aged 26 years, married, employed by the Kelly Coal Company, No. 2 mine, near Westville, Vermilion county. The deceased was coming down a grade in the mine when the harness of the mule entangled the driver and dragged him under the wheels, where he was found fifteen or twenty minutes afterwards. He left a widow and two children.

✓ April 6, 1896, Allen Gordon, (colored), miner, aged 35 years, married, employed by Pawnee Coal Company at their mine near Westville, Vermilion county. The deceased and his partner had three shots to fire in room 35, fifth south entry; they put squibs in all three holes, two of which they lighted, and after the two had exploded they returned to light the third, but it exploded at about the time Gordon reached the place, killing him. He left a widow and two children.

✓ April 20, 1896, Richard Sanders, miner, aged 38 years, single, employed by Delaware Coal Company as a miner at their mine near Grape Creek, Vermilion county. The deceased was at work on a bench of coal in the third south entry when a fall of roof came on him, knocking him backwards breaking his back and otherwise injuring him. He lived four days after the accident.

May 27, 1896, John Girginski, miner, aged 28 years, single. Deceased was employed by the Kelly Coal Company at their No. 3 mine, near Westville, Vermilion county, and at the time of the accident was working at the face of the second north entry, west side, when a fall of roof came on him, breaking his neck and killing him instantly.

The following tables give the detail of the fatal and non-fatal accidents.

Fatal Casualties in and about Coal Mines in the Fourth District of Illinois for the Year ending July 1, 1896.

| Date. | Name. | Age | Occupation. | Residence—Town | Name of Mine. | Married ... | Widow | Children... | Single | Persons de- pendent.. | Cause of Accident. |
|-------|---------------------------|-----------|-------------------|-------------------|-------------------------|-------------|-------------|-------------|--------------|--------------------------|--|
| 1895. | | | | | | | | | | | |
| July | 15 Isaac Weaver..... | 44 | Chute tender..... | Tilton..... | Consolidated Coal Co | 1 | 1 | 6 | 1 | 7 | Falling of tippie..... |
| Sept. | 31 Wm. Zarbrough..... | 27 | Loader..... | Westville..... | Pawnee Coal Co. | 1 | 1 | 1 | 1 | 4 | Falling roof..... |
| Oct. | 30 John Limburger | 50 | Miner..... | Petersburg..... | Chic., Kan. City C'l Co | 1 | 1 | 3 | 1 | 4 | Engineer allowed cage to run away..... |
| Oct. | 4 Anton Alberto | 22 | " | Kellyville..... | Kelly Coal Co. | 1 | 1 | 3 | 1 | 4 | Falling roof..... |
| Nov. | 23 Joseph Davidson..... | 43 | " | Grape Creek | No. 4 Grape Creek.. | 1 | 1 | 3 | 1 | 4 | " |
| Nov. | 30 Joseph McGere..... | 24 | Loader..... | Westville..... | Pawnee Coal Co. | 1 | 1 | 3 | 1 | 4 | " |
| 1896. | | | | | | | | | | | |
| Jan. | 24 Gustavus Berreese..... | 50 | Miner..... | Kellyville | Kelly Coal Co. | 1 | 1 | 1 | 1 | 1 | " |
| " | 26 James Lynch..... | 16 | Fire man | Muncie..... | Muncie Coal Co. | 1 | 1 | 1 | 1 | 1 | Sp side, jumping down shaft..... |
| Feb. | 31 Andrew Jackson..... | 35 | Miner..... | Grape Creek | Pawnee Coal Co. | 1 | 1 | 1 | 1 | 1 | Falling roof..... |
| Mar. | 29 John Kinrod | 33 | " | Kellyville..... | Kelly Coal Co. | 1 | 1 | 1 | 1 | 1 | Premature explosion of shot |
| April | 30 Clark Heston | 26 | Driver..... | Danville..... | " | 1 | 1 | 2 | 1 | 3 | Run over by pit cars |
| April | 6 Allen Gordon..... | 35 | Miner..... | Grape Creek | Pawnee Coal Co. | 1 | 1 | 2 | 1 | 3 | Premature explosion of shot..... |
| May | 20 Richard Sanders | 38 | " | Kellyville | Delaware Coal Co. | 1 | 1 | 1 | 1 | 1 | Falling roof..... |
| May | 27 John Gergerski..... | 28 | " | Kellyville | Kelly Coal Co. | 1 | 1 | 1 | 1 | 1 | " |

Recapitulation of Fatal Accidents.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|------------------|-----|-------------------|-----|-----------------------------------|-----|------------------------------------|-----|
| Danville..... | 1 | Driver..... | 1 | Cage running away..... | 1 | Chicago & Kansas City Coal Co..... | 1 |
| Grape Creek..... | 4 | fireman..... | 1 | Falling roof..... | 8 | Consolidated Coal Co..... | 1 |
| Kellyville..... | 4 | Loaders..... | 2 | Falling of tippie..... | 1 | Delaware Coal Co..... | 1 |
| Muncie..... | 1 | Miners..... | 9 | Premature explosion of shots..... | 2 | D. P. Wilson..... | 1 |
| Petersburg..... | 1 | Chute tender..... | 1 | Run over by pit-cars..... | 1 | Kelly Coal Co..... | 5 |
| Wilton..... | 1 | | | Suicide..... | 1 | Muncie Coal Co..... | 1 |
| Westville..... | 2 | | | | | Pawnee Coal Co..... | 4 |
| Totals..... | 14 | | 14 | | 14 | | 14 |

Non-Fatal Casualties in and about Coal Mines in the Fourth District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Children. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost— days. |
|-------|----------------------------|------|-------------|---------------------|-----------------------|----------|-----------|---------------------------|---|---------------------|
| 1895. | | | | | | | | | | |
| July | 13 H. Klotz..... | 40 | Miner..... | Kellyville | Kelly Coal Co. No. 2. | 1 | 3 | 4 | Leg hurt by falling coal | 14 |
| " | 17 Walter Royce..... | 24 | Driver..... | Grape Creek | Pawnee Coal Co. | | | | Leg broken by pit cars. | 90 |
| " | 23 John Focetts..... | 27 | Miner..... | Fairmount | Con. Coal Co. | 1 | | | Face and eyes injured by shot | 42 |
| " | 29 M. Stanton..... | 45 | " | Kellyville | Kelly Coal Co. | 1 | | | Head cut by falling roof | 7 |
| Aug. | 1 John Miller..... | 38 | " | Bloomington | McLean Coal Co. | 1 | 3 | 4 | Leg broken by falling roof | 120 |
| " | 3 Nick Farr..... | 48 | " | Kellyville | Kelly Coal Co. | 1 | 2 | 3 | | 180 |
| " | 12 Mike Canovan..... | 25 | Cager..... | Fairmount | Con. Coal Co. | 1 | | | Hand bruised by coal falling down shaft | 24 |
| " | 13 Mike Welsh..... | 30 | Driver..... | Bloomington | McLean Coal Co. | 1 | | | Bruised between pit cars | 20 |
| " | 23 Patrick Kelly..... | 52 | Miner..... | Petersburg | Chi.—Kansas City C.O. | 1 | 6 | 7 | Leg broken by being lowered into shaft too fast | 180 |
| " | 23 Adam Jenkins..... | 25 | " | " | " | 1 | 1 | | " | 20 |
| " | 23 George Nelson..... | 27 | " | " | " | 1 | 1 | | " | 210 |
| " | 23 John Ford..... | 43 | " | " | " | 1 | 1 | 2 | Leg bruised | 40 |
| " | 33 Oscar Barshime..... | 22 | " | " | " | 1 | | | " | 14 |
| " | 33 Peter Focetts..... | 30 | " | Fairmount | Con. Coal Co. | 1 | | | Leg bruised and nose broken by falling roof | 36 |
| " | 27 A. Mirrage..... | 21 | " | Kellyville | Kelly Coal Co. | 1 | | | Leg broken by falling roof | 60 |
| " | 30 Chas. Smith..... | 30 | Timberman. | Grape Creek | Pawnee Coal Co. | 1 | 2 | 3 | Bruised about head by falling roof | 10 |
| Sept. | 1 Chas. Hible..... | 27 | " | Danville | Kelly Coal Co. No. 2. | 1 | | | Bruised about hips by falling roof | 10 |
| Oct. | 18 George Carroll..... | 18 | Driver..... | Niantic | Decatur Coal Co. | 1 | 3 | 4 | Foot hurt by pit cars | 30 |
| " | 20 Thomas Sidelbottom..... | 43 | Miner..... | Danville | Pawnee Coal Co. | 1 | | | Foot hurt by falling roof | 10 |
| " | 24 Joseph Rebholo..... | 21 | " | East Peoria. | Con. Coal Co. | 1 | | | Hips bruised by falling roof | 20 |
| Nov. | 5 Frank Cortrud..... | 21 | Driver..... | Danville | Rusche Bros. | 1 | | | Arm broken by pit car | 36 |
| " | 11 John Wilson..... | 65 | Miner..... | Tilton | Con. Coal Co. No. 4 | 1 | | 1 | Wrist sprained by pit cars | 14 |
| " | 25 C. Samuels..... | 24 | Driver..... | Kellyville | Decatur Coal Co. | 1 | 2 | 3 | Shoulder hurt by falling roof | 35 |
| " | 25 Wm. Reich..... | 31 | Miner..... | Decatur | Kelly Coal Co. | 1 | | | Both legs hurt by falling roof | 45 |
| Dec. | 4 Clayton Jones..... | 20 | " | Tilton | Con. Coal Co. | 1 | | | Leg hurt by falling roof | 30 |
| " | 4 Rice Young..... | 50 | " | Petersburg | South Valley | 1 | 3 | 4 | Knee bruised by falling roof | 9 |
| " | 8 Geo. Langford..... | 42 | Topman..... | Fairmount | Langford & Hughes | 1 | 3 | 4 | Foot mashed by falling coal | 23 |
| " | 10 Vint Ford..... | 20 | Driver..... | Fairmount | Con. Coal Co. | 1 | | | Leg broken by pit cars on top of shaft | 77 |
| " | | | | | | | | | Body bruised by pit cars on top of shaft | 25 |
| 1896. | | | | | | | | | | |
| Jan. | 2 David Johnson..... | 50 | Miner..... | Athens | Wabash Coal Co. | 1 | 2 | 3 | Burn by loose powder in his hand | 115 |
| " | 5 Edward Emory..... | 41 | " | Danville | Kelly Coal Co. | 1 | 3 | 4 | Foot mashed by falling roof | 14 |
| " | 14 Sherman Martin..... | 30 | Driver..... | Grape Creek | Pawnee Coal Co. | 1 | | | Hand mashed between pit cars | 30 |
| " | 16 George Shaw..... | 28 | " | Westville | Perry Jumps | 1 | | | Leg broken by pit cars | 75 |
| " | 18 Wm. Slowell..... | 42 | Miner..... | Grape Creek | Pawnee Coal Co. | 1 | | | Head cut by falling roof | 15 |
| " | 19 C. Carthfield..... | 21 | " | Westville | Delaware Coal Co. | 1 | 4 | 5 | Back hurt by falling roof | 24 |
| " | 19 James McVey..... | 32 | " | Bloomington | McLean Coal Co. | 1 | | | Back hurt by falling roof | 24 |
| " | 20 Claude Little..... | 23 | Driver..... | Tilton | Cadlin Coal Co. | 1 | | 1 | Shoulder hurt by falling roof | 14 |
| " | 24 James Penn..... | 42 | Cager..... | Wesley | Little Mine | 1 | 1 | | Foot hurt by pit cars | 23 |
| " | 26 Patrick Lawler..... | 24 | Miner..... | Danville | Delaware | 1 | | | Leg bruised by cage | 63 |
| " | | | | | | | | | Lost one eye by spark from pick | 45 |

| Month | Name | Age | Occupation | Location | Accident Description | Severity | Notes |
|-------|--------------------|-----|------------|--------------|-----------------------|----------|---|
| Feb. | 3 James Tohman | 45 | Miner | Grape Creek | Perry Junips | 1 | Leg broken by falling coal |
| | 10 Wm. Harvey | 36 | " | East Peoria | Pawnee Coal Co. | 1 | 5 Foot bruised by pit ears |
| | 11 Wm. Meister | 26 | " | Westville | Kelly Coal Co., No. 2 | 1 | 8 Head cut by falling roof |
| | 12 Joseph Patric | 20 | " | East Peoria | Harvey & Blake | 1 | 3 Burnt by powder while charging shot |
| | 20 John Young | 35 | " | Grape Creek | Pawnee Coal Co. | 1 | 3 Foot bruised by falling coal |
| | 28 Jos. Abernathy | 39 | " | Bloomington | McLean Coal Co. | 1 | 3 Head bruised by falling roof |
| | 28 Peter Matson | 30 | Helper | Glenburn | Glenburn Coal Co. | 1 | 4 Foot mashed by fat ing roof |
| | 29 Wm. Rigie | 33 | Miner | Claudenville | Christ Nelson | 1 | 2 Foot caught by mining machine |
| | 1 Christ Nelson | 47 | " | Decatur | Decatur Coal Co. | 1 | 3 Hip dislocated by falling roof |
| | 3 Wm. Stantofski | 23 | " | Kellyville | Pawnee Coal Co. | 1 | 4 Ankle bruised by falling coal |
| March | 9 Frank Duront | 47 | " | Fairmount | Kelly Coal Co. | 1 | Back hurt by falling roof |
| | 10 Thos Dudley | 15 | Driver | Kellyville | Kelly Coal Co., No. 2 | 1 | Back and legs bruised by falling roof |
| | 12 James Boyd | 18 | Miner | Westville | Kelly Coal Co., No. 3 | 1 | Foot hurt by pit ears |
| | 16 Jos. Kosciolski | 30 | " | Kellyville | Kelly Coal Co., No. 2 | 1 | Leg and arm hurt by falling roof |
| | 28 Steven Smith | 25 | " | Danville | Con. Coal Co., No. 4 | 1 | Back hurt by falling roof |
| | 28 Fred Engle | 45 | " | Fairmount | Con. Coal Co. | 2 | 3 Head cut by falling roof |
| | 4 J. Klaus | 41 | " | Kellyville | Kelly Coal Co., No. 2 | 1 | 3 Leg broken by falling roof; July 1st, not at work |
| | 4 Louis Bernardo | 41 | " | Danville | Con. Coal Co., No. 4 | 1 | 3 Finger cut off by car door |
| | 24 Thos. McDermott | 44 | Laborer | Kellyville | Kelly Coal Co., No. 2 | 1 | 3 Hand mashed by railroad car; not at work July 1 |
| | 20 L. Larkins | 40 | Miner | Bloomington | McLean Coal Co. | 1 | 3 Thumb broken by falling roof |
| May | 12 John Koran | 21 | " | Glenburn | Glenburn Coal Co. | 1 | Back hurt by falling roof |
| | 14 Magnus Nelson | 50 | " | Danville | Con. Coal Co., No. 4 | 1 | 1 Leg broken by falling roof; not at work July 1 |
| | 15 Wm. VanLarknow | 32 | Timber man | Kellyville | Kelly Coal Co., No. 2 | 1 | 2 Toe mashed by falling roof |
| | 15 George Gladen | 45 | Leader | Danville | Glenburn Coal Co. | 1 | 2 Body injured by falling roof |
| | 17 Wm. Kerkland | 38 | Miner | Kellyville | Kelly Coal Co., No. 2 | 1 | Foot hurt by falling roof |
| June | 21 Wm. Hamilton | 35 | " | Danville | Con. Coal Co. | 1 | 5 Head cut by falling roof |
| | 8 August Heffken | 40 | " | Fairmount | McLean Coal Co. | 1 | 3 Arm injured by falling roof; not at work July 1 |
| | 12 T. F. Bolser | 30 | " | Bloomington | Pawnee Coal Co. | 1 | 4 Body injured by falling roof |
| | 12 George Hunt | 30 | " | Kellyville | Pawnee Coal Co. | 1 | not at work July 1 |
| | 16 Chas. Linkow | 33 | " | Kellyville | Pawnee Coal Co. | 1 | 4 Hip hurt by falling roof |
| Total | | 35 | 36 | 73 | 105 | | 3007 |

Recapitulation of Non-Fatal Accidents.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|--------------------|-----|---------------------|-----|-------------------------------------|-----|--------------------------------------|-----|
| Kellyville | 14 | Driver | 9 | Falling coal..... | 6 | Kelly Coal Co..... | 16 |
| Grape Creek | 8 | Miner..... | 52 | Falling roof..... | 38 | Pawnee Coal Co..... | 10 |
| Fairmount | 7 | Top man..... | 1 | Pit cars..... | 13 | Consolidated Coal Co..... | 13 |
| Bloomington..... | 6 | Cager..... | 2 | Mining machine..... | 1 | McLean County Coal Co..... | 6 |
| Petersburg..... | 7 | Timber man..... | 2 | Powder..... | 3 | Chicago and Kansas City Coal Co..... | 5 |
| Niantic | 1 | Loader | 1 | Railroad cars..... | 1 | Glenburn Coal Co..... | 3 |
| East Peoria | 3 | Machine helper..... | 1 | Cages..... | 1 | Decatur Coal Co..... | 3 |
| Decatur | 2 | Laborer | 1 | Sulphur in eye..... | 1 | Delaware Coal Co..... | 2 |
| Tilton | 3 | | | While being lowered into shaft..... | 5 | Harvey & Blake..... | 2 |
| Danville..... | 9 | | | | | Perry Jumps..... | 2 |
| Chandlerville..... | 1 | | | | | Christ Nelson..... | 1 |
| Westville | 3 | | | | | South Valley Coal Co..... | 1 |
| Athens | 1 | | | | | Langford & Hughes..... | 1 |
| Wesley | 1 | | | | | Walsh Coal Co..... | 1 |
| Glenburn..... | 3 | | | | | Little Mine..... | 1 |
| | | | | | | Cadin Coal Co..... | 1 |
| | | | | | | Ruselle Bros..... | 1 |
| Totals | 69 | | 69 | | 69 | | 69 |

Table Showing the Number of Persons Injured, Nature of Injury, Time Lost, with Average and Percentage.

| NATURE OF ACCIDENT. | Number. | Married. | Single. | Persons dependent. | Total days lost. | Average days. | Percentage of injuries. |
|----------------------------|---------|----------|---------|--------------------|------------------|---------------|-------------------------|
| Leg broken..... | 12 | 6 | 6 | 22 | 1,352 | 112.65 | 17.39 |
| Leg injured..... | 8 | 4 | 4 | 9 | 234 | 29.25 | 11.59 |
| Feet injured..... | 11 | 6 | 5 | 22 | 359 | 32.6 | 15.94 |
| Head injured..... | 7 | 3 | 3 | 6 | 129 | 18.4 | 10.14 |
| Body injured..... | 5 | 4 | 1 | 8 | 130 | 26 | 7.25 |
| Arms injured..... | 1 | ..... | 1 | ..... | 63 | 63 | 1.45 |
| Arms broken..... | 1 | ..... | 1 | ..... | 36 | 36 | 1.45 |
| Hip injured..... | 4 | 1 | 3 | 4 | 160 | 40 | 5.8 |
| Nose broken..... | 1 | ..... | 1 | ..... | 36 | 36 | 1.45 |
| Back injured..... | 6 | 2 | 4 | 9 | 186 | 31 | 8.69 |
| Ankles injured..... | 1 | 1 | ..... | 4 | 21 | 21 | 1.45 |
| Fingers lost..... | 2 | 2 | ..... | 8 | 123 | 61.5 | 2.9 |
| Eye lost..... | 1 | ..... | 1 | ..... | 63 | 63 | 1.45 |
| Wrist sprained..... | 1 | ..... | 1 | ..... | 14 | 14 | 1.45 |
| Shoulders injured..... | 2 | 2 | ..... | 7 | 49 | 24.5 | 2.9 |
| Face and eyes injured..... | 3 | 1 | 2 | 3 | 240 | 80 | 4.35 |
| Hands injured..... | 3 | 2 | 1 | 3 | 54 | 18 | 4.35 |
| Total..... | 69 | 34 | 35 | 105 | 3,249 | 706.90 | 100 |

The county statistical tables follow, giving the record of each mine in the district.

Respectfully submitted,

HENRY E. MALLOY,

State Mine Inspector, Fourth District, Danville, Illinois.

Cass County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 3 | 1 | 1 | 1 | ..... | S. M. | 100. | .. | .. | 780 | 780 | ..... | \$1 50 | 150 | \$0 60 | 40 |
| 2 | 3 | 1 | 1 | 1 | ..... | W. | 100. | .. | 1 | 950 | 950 | ..... | 1 50 | 152 | 70 | 55 |
| 3 | 13 | 5 | 12 | 12 | ..... | S. M. | 100. | .. | .. | 1,882 | 1,882 | ..... | 1 30 | 270 | 90 | 5 |
| 4 | 16 | 16 | 2 | 2 | ..... | M. | 100. | .. | .. | 5,000 | 4,375 | 625 | 1 25 | 220 | 60 | 5 |
| | 35 | 23 | 6 | 6 | 1 | ..... | ..... | .. | 1 | 8,612 | 7,987 | 625 | ..... | ..... | ..... | 105 |
| | | | | | | | | | | | | | \$1 31 | 198 | | |

Logan County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 115 | 75 | 14 | 12 | ..... | S. M. | ..... | .. | .. | 75,000 | 75,000 | ..... | \$0 90 | 240 | \$0 60 | 2,686 |
| 2 | 114 | 54 | 18 | 18 | 4 | W. | 70. | .. | .. | 77,000 | 66,000 | 11,000 | 1 00 | 250 | 60 | 3,000 |
| 3 | 34 | 24 | 7 | 7 | ..... | S. M. | 100. | .. | .. | 14,000 | 10,500 | 3,500 | 1 00 | 230 | 72 | 600 |
| | 263 | 153 | 39 | 37 | 4 | ..... | ..... | .. | .. | 166,000 | 151,500 | 14,500 | ..... | ..... | ..... | 6,286 |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .. | .. | ..... | ..... | ..... | \$0 95 | 250 | ..... | ..... |

Macon County—Fourth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Decatur Coal Co. No. 1..... | Decatur..... | Decatur..... | B. | 612 | 4 | 11.40 | Sh. | L. W. | H. |
| 2 | Decatur Coal Co. No. 2..... | ..... | ..... |  | 614 | 4 | 10.40 | | | |
| 3 | Decatur Coal Co..... | Niantic..... | Niantic..... | Sh. | 365 | 5 | 8 | " | R. P. | " |
| Totals (3 mines)..... | | | | | | | 29.80 | | | |
| Averages..... | | | | | | | | | | |

Menard County—Fourth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Athens Mining Co..... | Athens..... | Athens..... | Sh. | 200 | 6 | 14.60 | Sh. | R. P. | B. |
| 2 | Wabash Coal Co..... | ..... | ..... | " | 187 | 6 | 11.40 | " | " | H. |
| 3 | Greenview C. and M. Co.... | Greenview... | Greenview... | " | 100 | 6 | 10.10 | " | " | " |
| 4 | Petersburg Co-op. Coal Co.. | Petersburg... | Petersburg... | " | 100 | 6 | 5 | " | " | " |
| 5 | South Valley Coal Co..... | ..... | ..... | " | 70 | 6 | 3.16 | " | " | " |
| 6 | Chicago & Kansas C'y C. Co. | " | " | " | 155 | 6 | 14 | " | " | " |
| 7 | Langford & Hughes..... | " | " | L. | 75 | 5.6 | .37 | " | " | " |
| 8 | William Denton..... | " | " | " | 64 | 5.6 | .10 | " | " | " |
| 9 | F. M. Miller..... | Tice..... | Tice..... | " | 60 | 6 | .60 | " | " | " |
| 10 | William Parkin..... | Sweet Water.. | Sweet Water.. | " | 170 | 5.6 | .50 | " | " | " |
| 11 | Tallula Coal Co..... | Tallula..... | Tallula..... | Sh. | 185 | 5.6 | 1 | " | " | " |
| Totals (11 mines)..... | | | | | | | 60.83 | | | |
| Averages..... | | | | | | | | | | |

Macon County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|--|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 155 | 110 | 8 | 4 | 2 | W. | 100 | 1 | 80,000 | 64,000 | 16,000 | \$1 20 | 300 | | | |
| 2 | 132 | 88 | 6 | 4 | 4 | .. | 100 | .. | 1 | 73,000 | 58,400 | 14,600 | 1 20 | 300 | | |
| 3 | 83 | 16 | 13 | 6 | ..... | .. | 100 | .. | 1 | 35,207 | 23,471 | 11,736 | 81 | 122 | 1,465 | |
| .. | 370 | 214 | 27 | 14 | 6 | ..... | ..... | 3 | 188,207 | 145,871 | 42,336 | ..... | ..... | ..... | 1,465 | |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 13.7 | 261 | ..... | ..... |  |

Menard County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------|---------|--|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Winter. | Summer. | Winter. | Summer. | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| 1 | 116 | 53 | 13 | 10 | 3 | S. M. | 100 | .. | .. | 88,883 | 71,276 | 17,607 | \$0 70 | 164 | 80 60 | 1,081 |
| 2 | 142 | 66 | 8 | 8 | ..... | .. | 75 | .. | 1 | 57,066 | 38,044 | 19,022 | 70 | 162 | 50 | 1,869 |
| 3 | 84 | 62 | 11 | 11 | 4 | .. | 66 ² / ₃ | .. | 1 | 61,305 | 50,031 | 11,274 | 84 | 240 | 65 | 1,660 |
| 4 | 29 | 19 | 5 | 3 | ..... | .. | 100 | .. | .. | 30,000 | 22,500 | 1,500 | 85 | 260 | 60 | 600 |
| 5 | 24 | 14 | 4 | 3 | ..... | .. | 100 | .. | 1 | 19,000 | 19,000 | ..... | 80 | 218 | 50 | 834 |
| 6 | 122 | 57 | 12 | 12 | 2 | .. | 100 | 1 | 3 | 76,395 | 62,620 | 13,775 | 71 | 191 | 60 | 3,000 |
| 7 | 2 | 1 | 1 | 1 | ..... | W. | 70 | 1 | 1 | 1,538 | 1,538 | ..... | 1 50 | 300 | 60 | 87 |
| 8 | 6 | 3 | 1 | 1 | ..... | .. | 70 | .. | .. | 876 | 876 | ..... | 1 50 | 150 | 60 | 35 |
| 9 | 8 | 3 | 1 | 1 | ..... | S. M. | 100 | .. | .. | 3,690 | 3,690 | ..... | 1 25 | 185 | 60 | 30 |
| 10 | 8 | 3 | 1 | 1 | ..... | M. | 66 ² / ₃ | .. | .. | 3,262 | 2,000 | 1,262 | 1 50 | 150 | 60 | 90 |
| 11 | 19 | 5 | 5 | 2 | ..... | S. M. | 70 | .. | .. | 5,270 | 4,856 | 414 | 1 05 | 156 | 80 | 244 |
| .. | 557 | 315 | 63 | 53 | 9 | ..... | ..... | 1 | 8 | 347,345 | 276,491 | 70,854 | ..... | ..... | ..... | 9,530 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 77.3 | 198 | ..... | ..... |

McLean County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Winter. | Summer. | Winter. | Summer. | Number of boys under 16 years of age employed under ground. | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| 1 | 310 | 167 | 25 | 20 | ..... | S. M. | 100 | .. | 6 | 127,000 | 87,000 | 40,000 | \$1 10 | 300 | ..... | ..... |
| 2 | 44 | 28 | 10 | 7 | ..... |  | 100 | .. | .. | 25,891 | 18,964 | 6,927 | 1 06 | 278 | 80 75 | 1,000 |
| 3 | 18 | 9 | 3 | 3 | ..... |  | 100 | .. | .. | 4,000 | 3,200 | 800 | 1 60 | 200 | 75 | 120 |
| .. | 372 | 204 | 38 | 31 | ..... | ..... | ..... | .. | 6 | 156,891 | 109,164 | 47,727 | ..... | ..... | ..... | 1,120 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1.107 | 259 | ..... | ..... |

Tazewell County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Winter. | Summer. | Winter. | Summer. | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| 1 | 26 | 26 | 3 | 3 | ..... | W. | 80 | ..... | ..... | 9,810 | 8,175 | 1,635 | \$0 80 | 208 | 80 80 | 360 | |
| 2 | 12 | 8 | 1 | 1 | ..... | S. M. | 70 | ..... | ..... | 6,200 | 6,200 | ..... | 1 12 1/2 | 175 | 80 | 270 | |
| 3 | 25 | 11 | 2 | 1 | ..... | ..... | 70 | ..... | ..... | 13,995 | 13,995 | ..... | 1 12 1/2 | 200 | 80 | 570 | |
| 4 | 55 | 39 | 4 | 4 | ..... | ..... | 100 | ..... | 1 | 47,641 | 40,905 | 6,736 | 70 | 209 | 70 | 2,400 | |
| 5 | 24 | ..... | 2 | ..... | ..... | ..... | 100 | ..... | ..... | 760 | 760 | ..... | 70 | 25 | 60 | 88 | |
| 6 | 22 | ..... | 3 | ..... | ..... | ..... | 100 | ..... | ..... | 4,780 | 3,187 | 1,593 | 70 | 60 | 70 | 180 | |
| 7 | 11 | 16 | 1 | 1 | ..... | ..... | 70 | ..... | 1 | 7,224 | 7,224 | ..... | 1 05 | 225 | 70 | 363 | |
| 8 | 7 | 2 | 1 | 1 | ..... | ..... | 70 | ..... | ..... | 2,092 | 1,977 | 115 | 1 00 | 225 | 60 | 104 | |
| 9 | 12 | 4 | 2 | 1 | ..... | ..... | 70 | ..... | ..... | 3,407 | 3,407 | ..... | 1 12 1/2 | 200 | 70 | 185 | |
| 10 | 17 | 6 | 2 | 2 | ..... | ..... | 100 | ..... | ..... | 5,000 | 4,000 | 1,000 | 1 06 1/4 | 200 | 70 | 250 | |
| 11 | 13 | 3 | 2 | 1 | ..... | W. | 70 | ..... | ..... | 3,402 | 3,402 | ..... | 1 06 1/4 | 230 | 70 | 190 | |
| 12 | 13 | 13 | 2 | 2 | ..... | S. M. | 100 | ..... | ..... | 7,812 | 5,656 | 2,156 | 85 | 190 | 75 | 360 | |
| 13 | 6 | 2 | 2 | 1 | ..... | W. | 70 | ..... | ..... | 618 | 606 | 12 | 1 12 1/2 | 100 | ..... | 43 | |
| 14 | 4 | 2 | 1 | 1 | ..... | S. M. | 75 | ..... | ..... | 800 | 650 | 150 | 1 12 1/2 | 125 | 60 | 32 | |
| | 247 | 132 | 28 | 18 | 6 | ..... | ..... | ..... | 4 | 113,541 | 100,144 | 13,397 | ..... | ..... | ..... | 5,345 | |
| | | | | | | | | | | | | | \$0 88 | 169 | | | |

Vermilion County—Fourth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | Shipping or local mine. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|-------------------------|---|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|--|
| | | | | | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. | |
| 1 | Consolidated Coal Co. No. 4 | Tilton..... | Danville..... | S. | 85 5.6 | 24 | Sh. | R. P. | H. | | |
| 2 | John E. Lloyd..... | Danville..... | ..... | ..... | 60 6 | 1.56 | Sh. | ..... | ..... | ..... |  |
| 3 | Economy Coal & Mining Co. | ..... | ..... | ..... | 85 6 | 1.50 | Sh. | ..... | ..... | ..... |  |
| 4 | A. M. Bushon..... | Grape Creek.. | ..... | ..... | 85 6.6 | 1.25 | Dr. | ..... | ..... | ..... |  |
| 5 | W. H. Jenkins..... | Danville..... | ..... | L. | 34 6 | .60 | ..... | ..... | ..... | ..... |  |
| 6 | E. S. Gray..... | ..... | ..... | ..... | 55 6 | .66 | Sh. | ..... | ..... | ..... |  |
| 7 | C. J. & W. Reilly..... | Grape Creek.. | ..... | ..... | 80 7 | .15 | Dr. | ..... | ..... | ..... |  |
| 8 | George Watts..... | Danville..... | ..... | ..... | 40 6 | .12 | ..... | ..... | ..... | ..... |  |
| 9 | C. J. Dobbins..... | ..... | ..... | ..... | 8 6 | .50 | St. | L. W. | ..... | ..... |  |
| 10 | Danville Brick & Tile Co. | ..... | ..... | ..... | 14 6 | .50 | ..... | ..... | ..... | ..... |  |
| 11 | D. P. Beatty..... | ..... | ..... | ..... | 40 6 | .10 | Dr. | R. P. | ..... | ..... |  |
| 12 | Elmer Allison..... | ..... | ..... | ..... | 30 5.6 | .09 | ..... | ..... | ..... | ..... |  |
| 13 | Sylvester Parle..... | ..... | ..... | ..... | 100 5.6 | .33 | ..... | ..... | ..... | ..... |  |
| 14 | Elisha Lloyd..... | ..... | ..... | ..... | 53 6 | .50 | Sh. | ..... | ..... | ..... |  |
| 15 | Ashuan Bros..... | ..... | ..... | ..... | 50 6 | .14 | Dr. | ..... | ..... | ..... |  |
| 16 | James Thomas..... | ..... | ..... | ..... | 40 6 | .25 | ..... | ..... | ..... | ..... |  |
| 17 | W. C. Wilkinson..... | ..... | ..... | ..... | 45 6 | .16 | ..... | ..... | ..... | ..... |  |
| 18 | William Taylor..... | ..... | ..... | ..... | 50 6 | .25 | ..... | ..... | ..... | ..... |  |
| 19 | John Maberker..... | ..... | ..... | ..... | 47 6 | .38 | ..... | ..... | ..... | ..... |  |
| 20 | John Swanson..... | ..... | ..... | ..... | 40 6 | .12 | ..... | ..... | ..... | ..... |  |
| 21 | Louis Pichon..... | ..... | ..... | ..... | 107 6 | .52 | Sh. | ..... | ..... | ..... |  |
| 22 | Manek Bros..... | ..... | ..... | ..... | 100 6 | .21 | Dr. | ..... | ..... | ..... |  |
| 23 | William Ray..... | ..... | ..... | ..... | 40 6 | .12 | ..... | ..... | ..... | ..... |  |
| 24 | Joseph Kelly..... | ..... | ..... | ..... | 40 6 | .13 | ..... | ..... | ..... | ..... |  |
| 25 | Samuel Orr..... | ..... | ..... | ..... | 50 6 | .13 | ..... | ..... | ..... | ..... |  |
| 26 | Albert Widner..... | ..... | ..... | ..... | 50 6 | .25 | ..... | ..... | ..... | ..... |  |
| 27 | Stanbury & Watkins..... | ..... | ..... | ..... | 75 6 | .60 | ..... | ..... | ..... | ..... |  |
| 28 | William Aldridge..... | ..... | ..... | ..... | 13 6 | .12 | St. | L. W. | ..... | ..... |  |
| 29 | Jones & Kline..... | ..... | ..... | ..... | 50 6 | .10 | Dr. | R. P. | ..... | ..... |  |
| 30 | John Aldridge..... | ..... | ..... | ..... | 90 7 | .16 | ..... | ..... | ..... | ..... |  |
| 31 | D. A. Jenkins..... | ..... | ..... | ..... | 60 6 | 1.16 | ..... | ..... | ..... | ..... |  |
| 32 | Consolidated Coal Co. | Fairmount..... | Danville..... | S. | 208 5 | 17 | Sh. | R. P. | H. | | |
| 33 | John Woodard..... | Mission Field. | ..... | ..... | 18 5.9 | 16 | St. | L. W. | ..... | ..... |  |
| 34 | L. E. Baker..... | ..... | Oakwood..... | L. | 60 5.6 | .10 | ..... | R. P. | ..... | ..... |  |
| 35 | A. H. Bonnett..... | Pilot..... | Pilot..... | ..... | 45 5.6 | .33 | ..... | ..... | ..... | ..... |  |
| 36 | Muncie Coal Co..... | Muncie..... | Muncie..... | S. | 86 6 | .50 | ..... | ..... | ..... | ..... |  |
| 37 | Catlin Coal Co..... | Catlin..... | Catlin..... | ..... | 200 5.4 | 1.34 | ..... | ..... | ..... | ..... |  |
| 38 | S. & M. France..... | ..... | ..... | ..... | 168 6 | 4.51 | ..... | ..... | ..... | ..... |  |
| 39 | Warren Neil..... | ..... | ..... | L. | 50 5.8 | .60 | ..... | ..... | ..... | ..... |  |
| 40 | John F. Teeter..... | ..... | ..... | ..... | 60 5.6 | .12 | D. | ..... | ..... | ..... |  |
| 41 | Thomas J. Jones..... | ..... | ..... | ..... | 57 5.6 | .11 | Sh. | ..... | ..... | ..... |  |
| 42 | Arthur Jones & Son..... | ..... | ..... | ..... | 51 6 | .10 | ..... | ..... | ..... | ..... |  |
| 43 | Evan Jones..... | ..... | ..... | ..... | 53 6 | .30 | ..... | ..... | ..... | ..... |  |
| 44 | Thomas Graham..... | Georgetown.. | Georgetown.. | ..... | 60 5.6 | .10 | D. | ..... | ..... | ..... |  |
| 45 | A. E. Lawell..... | ..... | ..... | ..... | 64 | .06 | St. | L. W. | ..... | ..... |  |
| 46 | Andrew Clifton..... | ..... | ..... | ..... | 74 | .25 | ..... | ..... | ..... | ..... |  |
| 47 | Bunting Bros..... | Grape Creek | Grape Creek | ..... | 84 | .25 | ..... | ..... | ..... | ..... |  |
| 48 | D. P. Wilson..... | ..... | ..... | ..... | 50 7 | .64 | D. | R. P. | ..... | ..... |  |
| 49 | Perry Jumps, No. 1..... | ..... | ..... | S. | 75 7 | 9.71 | Sl. | ..... | ..... | ..... |  |
| 50 | Perry Jumps, No. 2..... | ..... | ..... | ..... | 60 7 | 2.10 | D. | ..... | ..... | ..... |  |
| 51 | ..... | ..... | ..... | ..... | 50 7 | 2 | ..... | ..... | ..... | ..... |  |

Vermilion County, 1896—Continued.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|----------------------------------|---|--|---|--|-------------------------------------|---|----------------------------------|--------------------------------------|-----------|-------|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 186 | 161 | 20 | 17 | 3 | S.-M. | 100 | 1 | 6 | 146,191 | 111,239 | 34,952 | \$0 95 | 211 | ..... | 2,401 |
| 2 | 23 | 23 | 4 | 4 | .. | .. | 100 | .. | .. | 10,603 | 10,603 | .. | 80 | 210 | \$0 50 | 200 |
| 3 | 26 | 48 | 4 | 4 | .. | .. | 100 | .. | .. | 9,000 | 7,480 | 1,520 | 1 00 | 75 | 60 | 400 |
| 4 | 12 | 4 | 1 | 1 | 1 | .. | 100 | .. | .. | 8,000 | 7,000 | 1,000 | 90 | 200 | 50 | 260 |
| 5 | 4 | 1 | .. | .. | .. | W. | 67 | .. | .. | 3,900 | 3,900 | .. | 1 00 | 200 | .. | 30 |
| 6 | 6 | 2 | 1 | 1 | .. | .. | 66 ² / ₃ | .. | .. | 4,000 | 3,000 | 1,000 | 1 00 | 260 | 50 | 80 |
| 7 | 2 | 2 | 1 | 1 | .. | S.-M. | 66 ² / ₃ | .. | .. | 1,052 | 765 | 287 | 1 12 ¹ / ₂ | 97 | 60 | 23 |
| 8 | .. | .. | 1 | 1 | .. | W. | 70 | .. | .. | 700 | 700 | .. | 1 00 | 100 | 50 | 25 |
| 9 | .. | .. | .. | 10 | 10 | .. | .. | .. | .. | 3,000 | 3,000 | .. | 1 12 ¹ / ₂ | 180 | .. | .. |
| 10 | .. | .. | .. | 10 | .. | .. | .. | .. | .. | 3,000 | 3,000 | .. | 1 00 | 180 | .. | .. |
| 11 | 3 | .. | 1 | .. | .. | S.-M. | 70 | .. | .. | 600 | 500 | 100 | 1 00 | 100 | 50 | 20 |
| 12 | .. | .. | .. | 1 | 1 | .. | 70 | .. | .. | 460 | 400 | 60 | 1 25 | 150 | 50 | 15 |
| 13 | 6 | 1 | 1 | 1 | .. | W. | .. | .. | .. | 2,000 | 1,500 | 500 | 1 00 | 160 | 60 | 75 |
| 14 | 9 | 3 | 1 | 1 | .. | S.-M. | .. | .. | .. | 3,000 | 2,000 | 1,000 | 1 00 | 200 | 60 | 75 |
| 15 | 5 | 12 | .. | .. | .. | W. | 75 | .. | .. | 851 | 638 | 213 | 1 12 ¹ / ₂ | 100 | 60 | 21 |
| 16 | 4 | 2 | 1 | 1 | .. | S.-M. | 66 ² / ₃ | .. | .. | 1,500 | 1,000 | 500 | 1 00 | 150 | 40 | 34 |
| 17 | 3 | 12 | 1 | 1 | .. | W. | 70 | .. | .. | 1,000 | 700 | 300 | 1 00 | 150 | 40 | 30 |
| 18 | 3 | 3 | 1 | 1 | .. | .. | 64 | .. | .. | 1,526 | 976 | 550 | 1 12 ¹ / ₂ | 200 | 40 | 50 |
| 19 | 3 | 3 | 1 | 1 | .. | .. | 64 | .. | .. | 2,292 | 1,467 | 825 | 1 12 ¹ / ₂ | 240 | 40 | 93 |
| 20 | 3 | 3 | 1 | 1 | .. | .. | 83 | .. | .. | 720 | 600 | 120 | 1 00 | 120 | 40 | 20 |
| 21 | 6 | 12 | 1 | 1 | .. | S.-M. | 70 | .. | .. | 3,300 | 3,300 | .. | 1 00 | 20 | 50 | 175 |
| 22 | 7 | 3 | 1 | 1 | .. | .. | 70 | .. | .. | 1,260 | 840 | 420 | 1 00 | 150 | 50 | 50 |
| 23 | 3 | .. | 1 | 1 | .. | W. | 70 | .. | .. | 500 | 500 | .. | 1 25 | 140 | 50 | 15 |
| 24 | 2 | 12 | 1 | 1 | .. | .. | 62 ¹ / ₂ | .. | .. | 800 | 500 | 300 | 1 00 | 150 | 40 | 20 |
| 25 | 2 | 12 | 1 | 1 | .. | .. | 70 | .. | .. | 800 | 800 | .. | 1 00 | 125 | 40 | 26 |
| 26 | 4 | 4 | 1 | 1 | .. | .. | 70 | .. | .. | 1,500 | 1,500 | .. | 1 00 | 150 | 40 | 40 |
| 27 | 1 | 12 | 1 | 1 | .. | .. | 100 | .. | .. | 3,750 | 3,000 | 750 | 1 25 | 300 | 60 | 120 |
| 28 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 800 | 800 | .. | 1 00 | 90 | .. | .. |
| 29 | 2 | 12 | .. | .. | .. | .. | 70 | .. | .. | 600 | 600 | .. | 1 00 | 100 | 40 | 23 |
| 30 | 4 | 12 | 1 | 1 | .. | .. | 75 | .. | .. | 1,200 | 900 | 300 | 1 00 | 125 | 40 | 40 |
| 31 | 14 | 6 | 1 | 1 | .. | .. | 100 | .. | .. | 7,000 | 6,000 | 1,000 | 1 10 | 300 | 40 | 40 |
| 32 | 84 | 72 | 13 | 11 | .. | S.-M. | 100 | .. | 7 | 86,236 | 73,089 | 13,147 | 85 | 156 | .. | 3,508 |
| 33 | .. | 200 | 200 | .. | .. | .. | .. | .. | .. | 161,580 | 147,922 | 13,658 | 80 | 275 | .. | .. |
| 34 | 5 | 1 | 1 | .. | .. | M. | .. | .. | .. | 600 | 500 | 100 | 1 00 | 60 | 30 | 15 |
| 35 | 4 | 4 | 1 | 1 | .. | W. | .. | .. | .. | 1,800 | 1,500 | 300 | 1 00 | 275 | 50 | 45 |
| 36 | 11 | .. | 2 | .. | .. | M. | 80 | .. | .. | 3,000 | 2,500 | 500 | 1 25 | 125 | 50 | 150 |
| 37 | 32 | 15 | 4 | 2 | 1 | S.-M. | 100 | 1 | .. | 7,250 | 4,737 | 2,513 | 80 | 220 | 65 | 275 |
| 38 | 57 | 47 | 9 | 9 | .. | .. | 100 | .. | 1 | 26,560 | 21,506 | 5,054 | 95 | 170 | 60 | 951 |
| 39 | 4 | 8 | 1 | 1 | 1 | .. | 90 | .. | .. | 3,600 | 3,600 | .. | 1 00 | 215 | 60 | 95 |
| 40 | 4 | .. | .. | .. | .. | .. | .. | .. | .. | 1,000 | 1,000 | .. | 75 | 100 | 50 | 32 |
| 41 | 11 | 5 | 1 | 1 | .. | .. | 70 | .. | .. | 900 | 900 | .. | 1 00 | 120 | 50 | 30 |
| 42 | 3 | 2 | 1 | 1 | .. | W. | 70 | .. | .. | 625 | 600 | 25 | 1 00 | 100 | 50 | 25 |
| 43 | 3 | 2 | 1 | 1 | .. | .. | 70 | .. | .. | 2,060 | 2,060 | .. | 90 | 200 | 60 | 85 |
| 44 | 2 | .. | 1 | .. | .. | S.-M. | .. | .. | .. | 500 | 500 | .. | 75 | 110 | 50 | 18 |
| 45 | .. | 12 | .. | .. | .. | M. | .. | .. | .. | 240 | 240 | .. | 1 00 | 30 | .. | .. |
| 46 | .. | 12 | 12 | 12 | .. | .. | .. | .. | .. | 960 | 960 | .. | 1 00 | 90 | .. | .. |
| 47 | .. | 12 | 12 | 12 | .. | .. | .. | .. | .. | 1,000 | 1,000 | .. | 1 00 | 90 | .. | .. |
| 48 | 11 | 6 | 1 | 1 | .. | S.-M. | .. | .. | .. | 4,458 | 3,344 | 1,114 | 95 | 268 | .. | 95 |
| 49 | 81 | 84 | 5 | 5 | .. | .. | 100 | 1 | .. | 68,000 | 60,000 | 8,000 | 80 | 240 | 60 | 2,500 |
| 50 | 26 | 26 | 2 | 2 | .. | .. | 100 | .. | 1 | 13,000 | .. | 13,000 | .. | 200 | 60 | 433 |
| 51 | 21 | 21 | 2 | 2 | 1 | .. | 100 | .. | 1 | 12,000 | .. | 12,000 | .. | 200 | 60 | 400 |

Vermilion County—Fourth District—1896—Concluded.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 52 | Delaware Coal Co..... | Grape Creek | Danville..... | S. | 40 6 | 12.50 | D. | R. | P. | H. |
| 53 | O'Connell & Hume..... | " | Grape Creek | " | 60 6.6 | 5.50 | Sh. | " | " | " |
| 54 | C. M. Hay..... | " | " | " | 50 6 | 1.12 | Sl. | " | " | " |
| 55 | Kelly Coal Co., No. 1..... | " | Danville..... | " | 86 7.6 | 16 | Sh. | " | " | " |
| 56 | " No. 2..... | Westville..... | " | " | 190 7.6 | 41.26 | " | " | " | " |
| 57 | " No. 3..... | " | " | " | 198 7.6 | 3.43 | " | " | " | " |
| 58 | Pawnee Coal Co..... | " | " | " | 100 7.6 | 46 | " | " | " | B. |
| 59 | Westville Coal Co..... | " | Westville | " | 210 7 | 21.60 | " | " | " | M. |
| 60 | Glenburn Coal Co..... | Glenburn..... | Danville..... | " | 150 5.6 | 24 | " | " | " | " |
| Totals (60 mines)..... | | | | | | 227.53 | | | | |
| Averages..... | | | | | | | | | | |

Vermilion County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, Weekly, semi-monthly or monthly. | Per cent. gross contents of pit car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------|---------|---|---|---|-------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Winter. | Summer. | Winter. | Summer. | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| 52 | 225 | 165 | 10 | 6 | ..... | S.-M. | 100 | 1 | 2 | 75,000 | ..... | 75,000 | ..... | 200 | \$0 50 | 5,000 |
| 53 | 36 | 36 | 4 | 4 | ..... | ..... | 100 | ..... | ..... | 38,204 | ..... | 38,204 | ..... | 255 | 60 | 1,275 |
| 54 | 9 | 7 | 2 | 2 | ..... | ..... | 100 | ..... | ..... | 6,750 | ..... | 950 | ..... | 200 | 60 | 1,175 |
| 55 | 116 | 116 | 8 | 8 | ..... | ..... | 100 | ..... | ..... | 120,051 | ..... | 181 | ..... | 251 | ..... | 1,000 |
| 56 | 275 | 275 | 18 | 18 | ..... | ..... | 100 | 4 | 14 | 309,522 | ..... | 67,000 | ..... | 242,522 | 80 | 266 |
| 57 | 99 | 99 | 8 | 8 | ..... | ..... | ..... | 1 | 2 | 25,772 | ..... | 25,772 | ..... | 150 | ..... | 500 |
| 58 | 248 | 248 | 20 | 20 | ..... | ..... | 100 | 4 | 10 | 342,982 | ..... | 58,185 | ..... | 279 | 50 | 8,744 |
| 59 | 136 | 136 | 9 | 9 | ..... | ..... | ..... | ..... | ..... | 151,300 | ..... | 133,144 | ..... | 245 | ..... | 1,890 |
| 60 | 171 | 135 | 17 | 15 | 4 | ..... | 100 | ..... | 3 | 132,491 | ..... | 132,491 | ..... | 270 | 65 | 2,150 |
| .. | 2,027 | 1,793 | 395 | 395 | 35 | ..... | ..... | 13 | 47 | 1,822,346 | 764,626 | 1057720 | ..... | ..... | ..... | 39,876 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 175 | ..... | ..... |

FIFTH INSPECTION DISTRICT—1896.

Mr. George A. Schilling, Secretary of the Bureau of Labor Statistics, Springfield, Illinois:

SIR:—In accordance with section 12 of "An act providing for the health and safety of persons employed in coal mines," I have the honor to present the first annual report for the year ending July 1, 1896, of the Fifth district, as now defined by section 11 of the above act, as amended by the Thirty-ninth General Assembly, being the thirteenth annual report of the State Inspectors of mines.

The following is a summary of the tabular statements for all of the counties in the district:

| | |
|--|-----------|
| Number of counties in the district..... | 17 |
| Number of counties in which coal is produced. | 10 |
| Total number of mines..... | 94 |
| Total number of shipping mines | 51 |
| Total number of local mines..... | 43 |
| Total tons of all grades sold or consumed..... | 4,689,990 |
| Total tons of lump coal produced..... | 3,199,961 |
| Total tons of other grades..... | 1,490,029 |
| Total tons produced by hand mining..... | 1,765,179 |
| Total tons produced by machine mining..... | 5,796 |
| Total number of employes..... | 5,758 |
| Total number employed below ground..... | 5,131 |
| Total number employed on the surface..... | 627 |
| Boys under 16 years of age employed under ground..... | 121 |
| Number of fatal accidents..... | 16 |
| Number of non-fatal accidents..... | 98 |
| Number of tons produced to each person killed..... | 293,124 |
| Number of tons produced to each person injured..... | 47,857 |
| Number of persons killed per 1,000 employed..... | 2.76 |
| Number of persons injured per 1,000 employed..... | 16.9 |
| Number of persons employed to each person killed..... | 362 |
| Number of persons employed to each person injured..... | 59 |

New Mines.—The Montgomery County Coal Company has recently sunk a shaft on the Cleveland, Cincinnati and St. Louis Railway, at DeWitt. At the depth of 534 feet a seam of coal eight feet thick was reached, which is probably No. 5 of the Illinois Geological Survey.

At the depth of 324 feet, a seam of coal seven feet six inches in thickness, probably No. 5 of the Illinois Geological Survey, was found in a shaft sunk by D. J. Lloyd, on the line of the Pawnee railroad, at Pawnee, Sangamon county.

Developments.—Work in two small seams found at 900 feet deep in the shaft of the Moweaqua Coal Mining and Manufacturing Company, at Moweaqua, has been abandoned, as the thickness of the seams and the price obtained for the coal did not justify further development. The working of No. 5 seam is continued, part of the coal being mined by machinery.

The Litchfield Mining and Power Company drilled a hole with a diamond drill from the bottom of the shaft, which was 535 feet deep, to a seam six feet 4 inches thick, which was found at the depth of 68 feet. The shaft has been sunk to the lower seam; the upper seam has been abandoned and the lower seam is now being developed.

The Chicago-Virden Coal Company has purchased the mine formerly owned by the Sugar Creek Coal Company at Auburn, Sangamon county.

Ventilation—A fan twenty feet in diameter has been erected at the mine of the Girard Coal Company, Girard, Macoupin county.

Fires—The entire top works and the timbering of the hoisting shaft at the mine of the Coffeen Coal and Copper Company, Coffeen, Montgomery county, were destroyed by fire during the night of November 5, 1895. One of the smokestacks set fire to the roof of the boiler house. When the fire started, the engineer had the pump installed for fire purposes apart, packing the water end, so the water service could not be used to extinguish the fire. The mine was idle until April 22, 1896.

The engine house and hoisting-department boiler house were destroyed and the hoisting engine damaged by a fire that started about 5 a. m. on March 6, 1896, at No. 6 mine of the Consolidated Coal Company of St. Louis, at Staunton, Macoupin county.

June 12, 1896, at about 8 o'clock, a fire started in the oilhouse, near the bottom of the hoisting shaft, of the Taylorville Coal Company, Taylorville, Christian county. The bottom timbers became ignited, then the fire was conveyed up the shaft to the top works, which were quickly destroyed. The damage consisted in the burning of the bottom timbers, which let down large masses of unbroken rock for some distance along both sides of the main roadway from the bottom of the shaft; the partial burning of the lining of the shaft, so that it had to be renewed throughout; the entire destruction of the mine buildings and coal-cleaning plant, and damage to the hoisting engine, air compressor and boilers. The rapidity with which the fire was communicated from the bottom to the top was somewhat surprising, as it is reported that there was very little inflammable oil in the oilhouse, and there was no more timbering about the bottom than the ordinary unlined sets that are placed where the roof and sides are fairly good; the shaft was wet, as there is a lodgement below the surface drainage that occasionally overflows, and the shaft was being used as the down cast at the time. The men in the mine left by way of the escapement shaft.

Fatal Accidents—John L. Dixon, aged 53 years, married, occupation mine manager, was killed at 9:10 a. m., July 9, 1895, at the mine of the Penwell Coal Mining Company, Pana, Christian county. He was standing near the elevator boot, removing an obstruction on the slide, when a railroad car partly filled with nut coal crushed him against a post of the elevator frame, causing instant death. There was a clearance of six inches between the car and the posts of the elevator. The car was being moved with a pinchbar. A man was talking to Mr. Dixon, and the sliding door of the elevator boot

being obstructed, his mind was probably occupied so that he did not notice the slowly moving car. He left a widow and five children.

✓ Allison Westbrook, aged 33 years, single, occupation eager, was killed at 4:20 p. m., July 19, 1895, at the mine of the Taylorville Coal Company, Taylorville, Christian county. The eager on the opposite side of the shaft was pushing a loaded car to the cage, when the corner of the car struck the upright corner rod of the cage. Westbrook immediately stepped on the cage and was pushing the car back, when, without any signal from the bottom, the cage started up, taking Mr. Westbrook with it, crushing him against the crown timber, causing instant death.

✓ Fred Stonebuerner, aged 28 years, married, left a widow and three children, occupation laborer, was asphyxiated by black damp on August 27, 1895, at the local mine of S. L. Flanders, Shelbyville, Shelby county. The mine is located near a brickyard operated by Flanders. The mine had not been operated for several months. Once a week the water was hoisted with a barrel. At the time of the accident, Stonebuerner and Flanders were at the top of the shaft. Stonebuerner was attending the gin and dumping the barrel. The barrel stuck in the sump. Stonebuerner slid down the rope, kicked the barrel to loosen it, and shouted to hoist up quickly, that the air was bad. When the barrel was hoisted a few feet, he fell back from it into the shaft and was suffocated. The shaft was sunk during the previous summer. It was thirty feet deep, and had no separate partitions for intake and return air. On inspection, a light was extinguished fifteen feet from the surface.

✓ David Evans, aged 22 years, single, occupation miner, was killed at 4 p. m., September 11, 1895, at Mine No. 1 of the Chicago-Virden Coal Company, Virden, Macoupin county. The shaft is 322 feet deep, and is equipped with self-dumping cages. He was being hoisted, with several others, when, at about sixty-five feet from the surface, he fell from the cage to the bottom of the shaft. At the surface, 1½ inches of vertical play was observed at the end of the platform of the cage from which he fell.

✓ Nicholas Lofy, aged 56 years, widower, left five children, one dependent, occupation miner, was killed at 5:05 p. m., September 24, 1895, at the mine of the Black Diamond Coal Company, Iles Junction, Sangamon county. He had fired two shots and was firing the third when an explosion occurred, killing him instantly. A miner who worked in the next room was showing him a light from behind a loaded car; he stated that when Mr. Lofy put his lamp to the squib that he did not leave it as soon as it ignited and that he apparently lighted the squib near the powder and not at the extreme end of the match.

✓ Walter Leyford, aged 19 years, single, occupation gripper, was injured at 10 a. m., September 28, 1895, at the mine of the Springside Coal Mining Company, Pana, Christian county, so that he died at 3 p. m. of the same day. He had taken off the grip and was letting the cars run by force of gravity down a light grade when he fell from the seat and the first car ran on him. On inspection a trip of cars was brought down the same grade; 32 feet before reaching the place where Leyford was picked up the gripper was severely shaken: the ball of both rails was broken in several places. It is evident that Leyford

was shaken off the seat and pushed by the cars to the place where he was found.

✓ Walter Russell, aged 18 years, single, occupation greaser, was suffocated by black damp at 7:15 a. m., at the mine of the Sangamon Coal Company, Springfield, Sangamon county. He left his work at the bottom of the shaft and went to the mouth of an old entry on the north side of the mine. As he did not return, one of the bottom men went after him and found him about eight feet in the entry. On inspection a light went out near the roof at about twelve feet and near the bottom at about eight feet in the entry.

✓ Fritz Immeroth, aged 55 years, left a widow and four children dependents, occupation loader, was killed at 4 p. m., December 7, 1895, by a fall of roof in mine No. 6 of the Consolidated Coal Company of St. Louis, at Staunton, Macoupin county. He was loading a car in the entry near a room that was being turned when a piece of slate fell, crushing him on the top of the car and causing instant death.

✓ Alfred Harvey, aged 53 years, occupation miner, left a widow. He was struck by a prop that was knocked out by falling coal at 12:30 p. m., December 19, 1895, in a room at the mine of the Penwell Coal Mining Company, Pana, Christian county, and died on December 21, 1895.

✓ Joseph Wallner, aged 23 years, single, occupation miner, was killed at 3 p. m., December 12, 1895, in mine No. 1 of the Pana Coal Company, Pana, Christian county. He was mining, when a piece of coal weighing about 1,500 pounds fell, crushing him so that he died instantly.

✓ James O'Neil, aged 51 years, widower, left five children, three of whom are dependent, occupation miner, was killed at 5:20 p. m., January 8, 1896, at the mine of the Green Ridge Coal Company, Girard, Macoupin county. O'Neil and his partner were about to light two shots in the room at the same time; O'Neil put his lamp to the squib and remarked that it would not light; he again put his lamp to the squib, when the shot immediately exploded.

✓ Wm. Dobbins, aged 25 years, married, occupation carpenter, was killed at 5 p. m., January 21, 1896, at the mine of D. J. Lloyd, Pawnee, Sangamon county. The top works were in course of construction; Dobbins was walking backwards on the upper landing carrying one end of a heavy plank: he went one step too far and fell to the ground, a distance of twenty-one feet. When picked up he was unconscious and remained so until he died, several hours later. He left a widow and one child.

✓ James Vancil, aged 47 years, married, miner, was killed at 1:10 p. m., February 26, 1896, in a room at the mine of the Sugar Creek Coal Company, Auburn, Sangamon county. At the time of the accident he was loading a pit-car, when a piece of top coal weighing about 1,000 pounds fell on him, killing him instantly. He left a widow and eight children, six of whom are dependents.

John Stevens, aged 60 years, married, miner, was injured at 5 p. m. March 6, 1896, in a room at the mine of the Cantrall Coöperative Coal Company, Cantrall, Sangamon county. Stevens was working in a room about four feet in, that was being turned from another room, at about twenty feet

back from the face. At the time of the accident the person working in the straight room and himself were each firing a shot. Stevens gave the word to fire and ignited the squib of his shot, which immediately exploded, causing injuries from which he died two days later. He left a widow and two children not dependents.

Nicholas Young, aged 51 years, married, was killed at 9:10 a. m. May 10, 1896, by falling down the air compartment of the hoisting shaft at the mine of the Starne's Coal Mining Company, Springfield, Sangamon county. A few days previous the escapement shaft had caved in near the bottom; the fan had been removed from the escapement shaft to a place near the hoisting shaft; a division of the hoisting shaft had been partitioned off for a temporary upcast and a boxing constructed for about thirty-five feet from the top of the partition to the fan. The escapement shaft had been repaired and the fan was being replaced near it. While an assistant was going for an ax Young walked through the boxing to the top of the hoisting shaft, where several men were suspending a cage. Their attention was attracted by a noise made by something falling down the compartment. On inspection it was found that the boxing was well lighted throughout, the fan having been removed from one end and a board from the other. It is supposed that being temporarily disengaged and taking an interest in all of the work then going on, he went through the boxing towards where the other men were working and in a moment of abstraction walked into the shaft. He left a widow and eight children.

James Boyden, aged 43 years, single, occupation topman, was killed about 2 p. m. Sunday, May 17, 1896, by falling down the shaft at the local mine of T. W. Griffiths, near Roodhouse, Greene county. He was engaged hoisting water; it was his duty to attend the gin horse and dump the barrel. At the time of the accident there was no one present at the mine. He was found dead at the bottom of the shaft.

The following tables gives the details of the fatal and non-fatal accidents and information in detail of the mines in coal-producing counties in this district.

Respectfully submitted,

JOHN KEAY,

State Inspector of Mines Fifth District.

Springfield, Ill.

Fatal Casualties—Fifth District—1896.

| Date. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Widow. | Children. | Single. | No. persons dependent. | Cause of Accident. |
|-------|---------------------------|------|-------------|------------------|----------------------------|----------|--------|-----------|---------|------------------------|--|
| 1895. | | | | | | | | | | | |
| July | 9 John L. Dixon..... | 53 | Manager | Pana..... | Penwell C. M. Co..... | 1 | 1 | 5 | 1 | 6 | Crushed by railroad cars..... |
| Aug. | 20 Allison Westbrook..... | 33 | Cager | Taylorville..... | Taylorville Coal Co..... | | | | | | Cage started without bottom signal.... |
| Sept. | 27 F. Stonebuerner..... | 28 | Laborer | Shelbyville..... | S. L. Flanders..... | 1 | 1 | 3 | 1 | 4 | Asphyxiated by black damp..... |
| " | 14 David Evans..... | 22 | Miner | Virden..... | C. V. C. Co..... | | | | | | Fell from ascending cage..... |
| " | 24 Nicholas Lofy..... | 56 | Miner | Springfield..... | Black D. C. Co..... | 1 | | 5 | 1 | 1 | Premature blast..... |
| " | 28 W. Leyford..... | 19 | Gripper | Pana..... | Springfield C. Co..... | | | | | | Run over by pit cars..... |
| Nov. | 16 W. Russell..... | 18 | Greaser | Springfield..... | Sangamon C. Co..... | 1 | 1 | 3 | 1 | 4 | Asphyxiated by black damp..... |
| Dec. | 7 F. Immeroth..... | 55 | Loader | Staunton..... | C. C. Co. No. 6..... | 1 | 1 | 1 | 1 | 1 | Fall of roof..... |
| " | 9 Alfred Harvey..... | 53 | Miner | Pana..... | Penwell C. M. Co..... | 1 | 1 | 1 | 1 | 1 | Struck by falling prop..... |
| " | 12 Jos. Wallner..... | 23 | Miner | Pana..... | Pana C. Co. No. 1..... | | | | | | Fall of coal..... |
| 1896. | | | | | | | | | | | |
| Jan. | 8 James O'Neil..... | 51 | Miner | Girard..... | Green Ridge C. Co..... | 1 | | 5 | | 3 | Premature blast..... |
| " | 21 Wm. Dobbins..... | 25 | Carpenter | Paynee..... | D. J. Lloyd..... | 1 | 1 | 1 | 1 | 2 | Fell from lower landing..... |
| Feb. | 22 James Vancil..... | 47 | Miner | Auburn..... | Sugar Creek C. Co..... | 1 | 1 | 8 | | 7 | Fall of coal..... |
| March | 6 John Stevens..... | 60 | Miner | Cantrall..... | Cantrall Co-op. C. Co..... | 1 | 1 | 2 | | | Premature blast..... |
| " | 51 Nicholas Young..... | 51 | Blacksmith | Springfield..... | Starnes C. M. Co..... | 1 | 1 | 8 | | 6 | Fell down the shaft..... |
| May | 17 James Boyden..... | 43 | Topman | Roodhouse..... | T. W. Griffiths..... | | | | 1 | 1 | |
| | Totals..... | | | | | 10 | 8 | 40 | 6 | 34 | |

Non-Fatal Casualties in and about Coal Mines in the Fifth District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Wife and children. | Single. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost— Days. |
|-------|-------------------|------|-------------|---------------------|---------------------|----------|-----------------------|---------|---------------------------|--|---------------------|
| 1895. | | | | | | | | | | | |
| July | 5 H. Hermans | 35 | Roadman | Staunton | Con. C. Co. No. 6 | 1 | 2 | 1 | 3 | Foot bruised by pit car | 14 |
| " | 24 T. Bellegue | 30 | Londer | Mt. Olive | Con. C. Co. No. 8 | 1 | 2 | 1 | 3 | Hand bruised by falling coal | 6 |
| " | 24 A. Veweg | 21 | Helper | Staunton | Con. C. Co. No. 6 | 1 | 2 | 1 | 3 | Ear injured by nail | 7 |
| " | 25 Henry Buescher | 26 | Blacksmith | Mt. Olive | Con. C. Co. No. 8 | 1 | 4 | 1 | 5 | Face burned by Babbit metal | 14 |
| Aug. | 3 John Krause | 28 | Carpenter | Pana | Penwell C. M. Co. | 1 | 1 | 1 | 1 | Coal fell off car on his fingers | 7 |
| " | 8 Albert Baker | 22 | Laborer | Staunton | Con. C. Co. No. 6 | 1 | 1 | 1 | 1 | Toe injured by tippie | 18 |
| " | 8 Stephen Machots | 19 | Helper | " | " | 1 | 1 | 1 | 1 | Rib broken by falling coal | 14 |
| " | 9 Joseph Mai | 22 | Roadman | " | " | 1 | 1 | 1 | 1 | Foot injured; stepped on nail | 28 |
| " | 9 A. Schneider | 16 | Helper | Mt. Olive | M. C. Co. No. 5 | 1 | 4 | 1 | 5 | Foot bruised by falling coal | 21 |
| " | 9 Ed. Parady | 40 | Carpenter | Pana | Penwell C. M. Co. | 1 | 1 | 1 | 1 | Foot injured by pit car | 10 |
| " | 15 Adam Law | 28 | Driver | Mt. Olive | C. C. Co. No. 8 | 1 | 1 | 1 | 1 | Back bruised by falling roof | 14 |
| " | 17 John Kudech | 22 | Loader | Staunton | C. C. Co. No. 6 | 1 | 3 | 1 | 4 | Body bruised; kicked by mule | 9 |
| " | 23 Octare King | 25 | Driver | Springfield | Starne s C. M. Co. | 1 | 1 | 1 | 1 | Back injured by fall of roof | 6 |
| " | 24 Adam Adams | 32 | Miner | Nilwood | N. C. C. Co. | 1 | 2 | 1 | 3 | Shoulder broken by fall of roof | 50 |
| Sept. | 2 P. Beانبlo-som | 35 | " | Virdeu | Ch. V. C. Co. | 1 | 1 | 1 | 7 | Back injured by falling roof | 34 |
| " | 3 Paul Se ultz | 28 | Laborer | Mt. Olive | C. C. Co. No. 8 | 1 | 6 | 1 | 7 | Hand injured coupling railroad c. rs. | 14 |
| " | 7 Peter Schultz | 37 | Driver | Gillespie | C. C. Co. No. 6 | 1 | 2 | 1 | 3 | Arm bruised by falling roof | 8 |
| " | 9 Geo. Tainor | 16 | Driver | Mt. Olive | M. C. Co. No. 5 | 1 | 1 | 1 | 3 | Collar bone broken by pit car | 30 |
| " | 10 M. Rink | 17 | Helper | Gillespie | C. C. Co. No. 10 | 1 | 1 | 1 | 3 | Leg broken by falling coal | 39 |
| " | 14 John Blakey | 30 | Miner | Assumption | A. C. & M. Co. | 1 | 2 | 1 | 4 | Burned with gas | 21 |
| " | 14 Wm. Rughlander | 36 | Helper | Mt. Olive | Ch. V. C. Co. | 1 | 3 | 1 | 9 | Leg broken by falling coal | 139 |
| Oct. | 21 Isom Harris | 36 | Tricklayer | Virdeu | Ch. V. C. Co. | 1 | 8 | 1 | 4 | Body injured by pit car | 10 |
| " | 3 John Brosche | 39 | Laborer | Mt. Olive | M. C. Co. No. 5 | 1 | 1 | 1 | 9 | Finger cut off, coupling railroad cars | 20 |
| " | 3 Chas. Kinn | 26 | Miner | Moweaqua | Now. C. M. & M. Co. | 1 | 1 | 1 | 2 | Bruised by descending cage | 20 |
| " | 4 Melvin Turner | 26 | Driver | Virdeu | Ch. V. C. Co. | 1 | 1 | 1 | 2 | Knee injured by mine cars | 31 |
| " | 8 Y. Bishop | 51 | Miner | Mt. Olive | C. C. Co. No. 8 | 1 | 1 | 1 | 2 | Arm broken by fall of coal | 51 |
| " | 8 Jas. Gilmour | 23 | Driver | Virdeu | Ch. V. C. Co. | 1 | 1 | 1 | 2 | Collar bone broken by pit cars | 30 |
| " | 10 Thos. Smith | 28 | Trapper | Virdeu | Ch. V. C. Co. | 1 | 1 | 1 | 2 | Body bruised by pit cars | 8 |
| " | 10 John Brower | 16 | Driver | Virdeu | M. C. Co. No. 5 | 1 | 1 | 1 | 1 | Leg broken by falling roof | 90 |
| " | 11 Wm. McLean | 26 | Trapper | Virdeu | Ch. V. C. Co. | 1 | 1 | 1 | 6 | Body bruised by pit cars | 20 |
| " | 12 Henry Mull | 47 | Loader | Mt. Olive | C. C. Co. No. 8 | 1 | 5 | 1 | 6 | Knee injured by falling coal | 135 |
| " | 12 G. D. Worley | 25 | Driver | Gillespie | C. C. Co. No. 8 | 1 | 1 | 1 | 1 | Ankle broken by pit cars | 53 |
| " | 15 Henry Hans | 45 | Loader | Staunton | C. C. Co. No. 6 | 1 | 6 | 1 | 7 | Leg injured by falling coal | 125 |
| " | 17 H. Hillier | 45 | " | " | " | 1 | 5 | 1 | 6 | Ankles injured by falling roof | 21 |
| " | 21 F. Goache | 18 | Gripper | Pana | Penwell C. M. Co. | 1 | 1 | 1 | 1 | Leg bruised by pit cars | 6 |
| " | 21 C. McDaniel | 18 | Miner | Staunton | C. C. Co. No. 6 | 1 | 1 | 1 | 1 | Finger broken by falling coal | 18 |
| " | 26 Jno. Sturm | 17 | Helper | " | " | 1 | 1 | 1 | 1 | Thigh injured by falling coal | 60 |
| " | 28 J. Bauman | 16 | Gripper | " | " | 1 | 1 | 1 | 1 | Legs bruised by pit cars | 14 |

| | | | | | | | | | | | |
|-------|----|-----------------|----|------------|-------------|-----------------------|---|---|---|---|-----|
| Oct. | 28 | Wm. Lucas | 22 | Miner | Pana | Penwell C. M. Co. | 1 | 1 | 2 | Struck on knee by wedge. | 11 |
| " | 29 | J. Hall | 58 | | Litchfield | L. M. & M. Co. | 4 | 4 | 5 | Body bruised by falling roof. | 30 |
| " | 30 | Chas. Smith | 31 | Loader | Mt. Olive | M. C. Co. No. 5 | 1 | 3 | 4 | | 25 |
| " | 30 | E. Uhlman | 18 | | Stanton | C. C. Co. No. 6 | 1 | 1 | | Leg broken by falling coal | 90 |
| Nov. | 30 | M. Krouser | 16 | Miner | Pana | S. C. M. Co. | 1 | 1 | | Foot injured by falling coal | 13 |
| " | 1 | F. Myers | 38 | | Stanton | Penwell C. M. Co. | 1 | 1 | | Leg broken by falling coal | 104 |
| " | 12 | R. Baum | 19 | Loader | Dawson | C. C. Co. No. 6 | 1 | 1 | | Leg broken by pit car | 160 |
| " | 13 | C. Smith | 22 | Driver | Mt. Olive | Wabash C. Co. | 1 | 1 | | Head hurt by falling coal | 15 |
| " | 16 | G. Weylseepp | 28 | Loader | Assumption | C. C. Co. No. 8 | 1 | 1 | | Body bruised by pit car | 10 |
| " | 19 | Geo. Tully | 50 | Miner | Girard | A. C. & M. Co. | 1 | 1 | | Body bruised by falling roof | 90 |
| " | 19 | Wm. Rogers | 25 | Driver | Gillespie | C. C. Co. | 1 | 1 | | Body bruised by falling roof | 7 |
| " | 21 | L. Parker | 22 | Helper | Virden | C. C. Co. | 1 | 1 | | Face cut by coal, returning to shot. | |
| " | 21 | Car. Rogers | 27 | Miner | Stanton | M. C. Co. No. 5 | 1 | 3 | 4 | Leg bruised by mine car | 7 |
| " | 21 | H. Roadawald | 29 | Engineer | Mt. Olive | C. C. Co. No. 6 | 1 | 1 | | Body injured by machinery | 6 |
| Dec. | 3 | K. Farmer | 29 | Carpenter | Hornshy | C. C. Co. Clyde | 1 | 1 | | Body injured, falling from scaffold | 30 |
| " | 10 | K. Kaufman | 17 | Driver | Litchfield | C. C. Co. No. 10 | 1 | 1 | | Leg bruised by pit cars | 7 |
| " | 24 | B. Kelly | 40 | Miner | Mt. Olive | L. M. & M. Co. | 1 | 1 | | Jaw broken, springing of prop. | 15 |
| " | 28 | Aug. Isman | 52 | Loader | Pana | M. C. Co. No. 5 | 1 | 4 | 5 | Leg broken by pit car | 140 |
| " | 31 | H. Egeman | 15 | Miner | Gillespie | Penwell C. M. Co. | 1 | 1 | | Struck pick in his foot | 10 |
| 1886. | | | | | | | | | | | |
| Jan. | 2 | W. Auncius | 21 | Laborer | Pana | C. C. Co. Gillespie | 1 | 1 | | Two fingers crushed, coupling railroad cars. | 25 |
| " | 5 | John Beard | 40 | Miner | Pana | Penwell C. M. Co. | 1 | 2 | 3 | Iron pyrites in his eye | 13 |
| " | 7 | Wm. Esforth | 35 | | Girard | Girard Coal Co. | 1 | 1 | | Thumb injured, unloading props | 17 |
| " | 11 | Hv. Sudeck | 29 | Helper | Springfield | Woods de C. Co. | 1 | 1 | | Compound fracture of leg, falling roof | |
| " | 15 | Jos. Shipley | 32 | Driver | Pana | Penwell C. M. Co. | 1 | 1 | | Body bruised by falling roof | 90 |
| " | 16 | Jas. Rolls | 20 | Timberman | Riverton | Riverton C. Co. No. 2 | 1 | 1 | | Head bruised by falling roof | 14 |
| " | 16 | Hv. Brown | 24 | Miner | Mt. Olive | M. C. Co. No. 5 | 1 | 2 | 3 | Body bruised by falling roof | 30 |
| " | 16 | David Pierce | 23 | Driver | Pana | Springside C. M. Co. | 1 | 1 | 8 | Toes injured by pit car | 6 |
| " | 27 | Theo. Wildie | 54 | Loader | Auburn | Sugar Creek C. Co. | 1 | 1 | | Foot bruised by falling coal | 21 |
| " | 27 | A. Landreth | 30 | Miner | Mt. Olive | C. C. Co. No. 8 | 1 | 1 | 2 | Back bruised by falling coal | 60 |
| " | 31 | J. Wickenheiser | 26 | " | Pana | West End C. Co. | 1 | 1 | 9 | Burned by powder, recharging hole | 20 |
| Feb. | 3 | O. Courtenay | 16 | Oilier | Mt. Olive | Penwell C. M. Co. | 1 | 1 | | Wrist dislocated by pit cars | 24 |
| " | 7 | B. Koubek | 24 | Driver | Springfield | Clear Lake C. Co. | 1 | 1 | | Body bruised by pit cars | 14 |
| " | 17 | Dan'l Hook | 28 | " | Pana | Penwell C. M. Co. | 1 | 1 | | Arm injured by pit cars | 16 |
| " | 18 | M. Rink | 17 | | Virden | Ch. V. C. Co. | 1 | 1 | 2 | Back bruised by falling coal | 15 |
| " | 20 | E. Leecoq | 24 | Miner | Mt. Olive | Penwell C. M. Co. | 1 | 1 | 3 | Foot bruised by falling coal | 21 |
| " | 24 | J. W. Crosby | 35 | | Springfield | West End C. Co. | 1 | 1 | 4 | Body bruised by falling coal | 17 |
| Mar. | 3 | D. Santer | 30 | Driver | Mt. Olive | C. C. Co. No. 10 | 1 | 1 | | Body bruised by pit cars | 60 |
| " | 3 | R. Troglac | 36 | Cutter | Springfield | Penwell C. M. Co. | 1 | 1 | | Leg bruised by falling coal | 10 |
| " | 4 | Geo. Poston | 35 | Miner | Pana | Penwell C. M. Co. | 1 | 1 | | Body bruised by falling roof | 14 |
| " | 9 | D. Rhodes | 53 | | Gillespie | C. C. Co. Gillespie | 1 | 1 | | Iron pyrites in eye | 23 |
| " | 12 | E. Webb | 35 | Helper | Pana | Penwell C. M. Co. | 1 | 1 | | Arm broken by falling coal | 30 |
| " | 16 | F. Nonark | 25 | Blacksmith | Gillespie | C. C. Co. Gillespie | 1 | 1 | 3 | Eye destroyed by piece of emery wheel | 32 |
| " | 20 | H. Johnson | 15 | Laborer | Moweaqua | M. C. M. & Mfg. Co. | 1 | 1 | | Arm injured, coupling railroad cars | 38 |
| " | 25 | H. Rayhill | 27 | Driver | Carlinville | Green Ridge C. Co. | 1 | 1 | | Back injured by fall of roof | 7 |
| " | 27 | A. Bowyer | 32 | Miner | Girard | A. C. & M. Co. | 1 | 1 | 2 | Leg injured, amputation necessary, falling roof | |
| Apr. | 1 | John Riddle | 25 | " | Assumption | A. C. & M. Co. | 1 | 1 | | Body bruised by falling roof | 28 |
| " | 20 | Aug. Strawmyer | 28 | " | Mt. Olive | C. C. Co. N. 8 | 1 | 1 | | Shoulder bruised by falling roof | 14 |
| " | 21 | Geo. Marian | 33 | Driver | | | 1 | 1 | 2 | Ribs broken by mine car | 58 |

Non-Fatal Casualties—Fifth District—Concluded.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Single. | Children. | No. persons dependent | Character of Injury and Cause of Accident. | Time lost— days. |
|-------|----------------------|------|--------------|---------------------|------------------------|----------|---------|-----------|--------------------------|---|---------------------|
| 1896. | | | | | | | | | | | |
| May | 1 S. Deboise..... | 30 | Roadman... | Assumption.. | A. C. & M. Co..... | 1 | 1 | 1 | 2 | Foot injured by pit car..... | 12 |
| " | 6 E. Burnett..... | 19 | Miner..... | Pana..... | Penwell C. M. Co..... | | | | | Struck with pick..... | 17 |
| " | 15 R. Monnett..... | 35 | Laborer..... | Gillespie..... | C. C. Co., Gillespie.. | 1 | 2 | 1 | 3 | Arm broken, defective ladder..... | 50 |
| " | 15 J. O. Meara..... | 40 | Miner..... | Virgen..... | Ch. V. C. Co..... | | | | | Body bruised by falling roof..... | 30 |
| June | 2 Thos. Dunn..... | 18 | Driver..... | Mt. Olive..... | C. C. Co. No. 8..... | | | | 1 | Finger broken, lifting prop..... | 20 |
| " | 26 J. Meadawick..... | 26 | Laborer..... | | M. C. Co. No. 5..... | | | | 1 | Body bruised by falling roof..... | 21 |
| " | 27 A. Landreth..... | 30 | Miner..... | Pana..... | Springside C. M. Co. | 1 | 1 | 1 | 2 | | |

STATISTICAL TABLES.

FIFTH DISTRICT.

Calhoun County—Fifth District—1896.

[illegible]

Christian County—Fifth District—1896.

[illegible]

Calhoun County 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|--------------|---------|--|---|---|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|-------|
| | Under ground. | | Above ground | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 20 | 22 | 2 | 2 | ..... | M. | 100 | .. | .. | 6,000 | 6,000 | ..... | \$1 35 | 300 | \$0 90 | 500 |
| . | 20 | 22 | 2 | 2 | ..... | ..... | ..... | .. | .. | 6,000 | 6,000 | ..... | ..... | ..... | ..... | 500 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 35 | 390 | ..... | ..... |

Christian County 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|--|---------|--------------|---------|--|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 147 | 89 | 12 | 9 | 7 | S. M. | 70 | .. | 4 | 58,176 | 42,318 | 15,858 | \$1 10 | 225 | \$0 70 | 100 |
| 2 | 18 | 7 | 6 | 3 | ..... | ..... | ..... | 1 | .. | 6,850 | 6,129 | 721 | 1 01 | 200 | 60 | 253 |
| 3 | 198 | 189 | 18 | 16 | 8 | .. | ..... | 1 | .. | 209,000 | 150,000 | 59,000 | 80 | 200 | 60 | 1,600 |
| 4 | 243 | 203 | 32 | 30 | 12 | .. | 100 | 2 | 13 | 176,492 | 63,918 | 112,574 | 75 | 180 | Free. | 1,250 |
| 5 | 230 | 150 | 14 | 12 | 5 | .. | ..... | 1 | 4 | 101,000 | 45,000 | 56,000 | 64 | 150 | .. | 600 |
| 6 | 140 | 130 | 25 | 25 | 6 | .. | ..... | 1 | .. | 211,710 | 99,327 | 112,383 | 60 | 230 | 60 | 1,400 |
| .. | 976 | 768 | 107 | 95 | 38 | ..... | ..... | 5 | 21 | 763,228 | 406,692 | 356,536 | ..... | ..... | ..... | 5,233 |
| ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .. | .. | ..... | ..... | ..... | \$0 76 | 197 | ..... | ..... |

Greene County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|-----|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 5 | 4 | 1 | 1 | S.-M. | | | | | 2,400 | 2,400 | | \$1 25 | 270 | \$0 65 | |
| 2 | 1 | | | | | | | | | 150 | 150 | | 1 50 | 90 | | |
| 3 | 2 | | | | | | | | | 200 | 200 | | 1 50 | 70 | | |
| 4 | 6 | 3 | 1 | | | | | | | 1,000 | 1,000 | | 1 25 | 175 | | |
| 5 | 10 | 5 | 1 | 1 | M. | | 1 | | | 2,000 | 2,000 | | 1 25 | 200 | 80 | 150 |
| 6 | 4 | | | | W. | | | | | 200 | 200 | | 1 50 | 40 | | |
| 7 | 4 | | | | | | | | | 400 | 400 | | 1 50 | 70 | | |
| 8 | 10 | 3 | 1 | 1 | M. | | | | | 1,920 | 1,920 | | 1 25 | 175 | 80 | |
| .. | 42 | 15 | 4 | 3 | | | 1 | | | 8,270 | 8,270 | | | | | 150 |
| .. | | | | | | | | | | | | | \$1 39 | 175 | | |

Macoupin County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|--|---|---|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|--------|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 43 | 32 | 12 | 11 | 1 | S.-M. | 70 | 1 | 1 | 31,347 | 21,677 | 9,670 | \$0 66 | 90 | \$0 80 | 783 |
| 2 | 216 | 216 | 28 | 28 | 5 | M. | ..... | 1 | 14 | 214,765 | 149,109 | 65,656 | 75 | 147 | ..... | 1,315 |
| 3 | 104 | 104 | 13 | 13 | ..... | ..... | ..... | ..... | ..... | 121,220 | 81,637 | 39,583 | 75 | 209 | ..... | 687 |
| 4 | 178 | 178 | 21 | 21 | ..... | ..... | ..... | 11 | ..... | 308,234 | 211,432 | 96,802 | 75 | 245 | ..... | 1,619 |
| 5 | 187 | 187 | 21 | 21 | ..... | ..... | ..... | 3 | ..... | 280,318 | 197,646 | 82,672 | 75 | 244 | ..... | 1,561 |
| 6 | 117 | 117 | 20 | 20 | ..... | ..... | ..... | 9 | ..... | 111,100 | 78,577 | 32,523 | 85 | 195 | ..... | 729 |
| 7 | 70 | 70 | 13 | 13 | ..... | ..... | ..... | 1 | ..... | 91,045 | 62,245 | 28,800 | 85 | 237 | ..... | 602 |
| 8 | 252 | 235 | 28 | 27 | 10 | S.-M. | 64 | 1 | 8 | 348,333 | 222,651 | 125,682 | 85 | 242 | 65 | 9,163 |
| 9 | 3 | ..... | 1 | ..... | ..... | W. | 100 | ..... | ..... | 450 | ..... | ..... | 1 25 | 80 | ..... | ..... |
| 10 | 106 | 71 | 10 | 10 | 3 | S.-M. | ..... | 2 | ..... | 94,068 | 79,446 | 14,622 | 60 | 250 | 60 | 1,400 |
| 11 | 83 | 83 | 12 | 12 | 1 | W. | 60 | 1 | 1 | 87,925 | 48,738 | 39,187 | 65 | 250 | 70 | 2,450 |
| 12 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | 100 | ..... | 1 25 | 40 | ..... | ..... |
| 13 | 6 | 3 | 1 | 1 | ..... | W. | 100 | ..... | ..... | 600 | 600 | ..... | 1 20 | 100 | ..... | 10 |
| 14 | 192 | 192 | 1 | 21 | 7 | S.-M. | ..... | 11 | ..... | 316,550 | 236,119 | 80,431 | 60 | 232 | ..... | 1,851 |
| 15 | 9 | 9 | 3 | 3 | ..... | W. | 100 | ..... | ..... | 4,169 | 3,549 | 620 | 1 25 | 200 | ..... | 75 |
| 16 | 51 | 41 | 5 | 5 | ..... | S.-M. | 100 | 1 | ..... | 30,000 | 22,500 | 7,500 | 50 | 225 | 65 | 600 |
| 17 | 2 | ..... | ..... | ..... | ..... | W. | 100 | ..... | ..... | 150 | 150 | ..... | 1 25 | 40 | ..... | ..... |
| 18 | 62 | 86 | 10 | 10 | 1 | S.-M. | ..... | 1 | ..... | 57,165 | 32,321 | 24,844 | 65 | 187 | 65 | 1,560 |
| .. | 1,682 | 1,524 | 219 | 222 | 33 | ..... | ..... | 3 | 63 | 2,097,539 | 1,448,947 | 648,592 | ..... | ..... | ..... | 24,405 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 702 | 178 | ..... | ..... |

Montgomery County—Fifth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Coffeen C. and C. Co..... | Coffeen | Coffeen | S. | 534 | 8.0 | 5.0 | Sh. | R. P. | H. |
| 2 | Hillsboro Coal Co..... | Hillsboro..... | Hillsboro..... | .. | 440 | 7.6 | 12.9 | .. | .. | .. |
| 3 | Litchfield M. and M. Co..... | Litchfield..... | Litchfield..... | .. | 500 | 3.6 | 2.5 | .. | L. W. | .. |
| 4 | Litchfield Min'g & Power Co..... | ..... | ..... | .. | 684 | 6.3 | 2.0 | .. | R. P. | .. |
| Totals..... | | | | .. | .. | .. | 21.5 | .. | .. | .. |
| Averages..... | | | | .. | .. | .. | .. | .. | .. | .. |

Sangamon County—Fifth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Auburn Coal Co. and others | Auburn | Auburn | S. | 268 | 7.6 | 1.1 | Sh. | R. P. | H. |
| 2 | Chicago-Virden C. Co. No. 2 | ..... | ..... | .. | 250 | 7.6 | 22.5 | .. | .. | .. |
| 3 | Barclay Coal and Mining Co | Barclay | Springfield... | .. | 240 | 5.9 | 10.2 | .. | .. | .. |
| 4 | Cantrall Co-op. Coal Co..... | Cantrall..... | Cantrall..... | .. | 213 | 6.0 | 21.0 | .. | .. | .. |
| 5 | J. Murphy and others..... | Chatham | Chatham..... | .. | 253 | 7.0 | 1.6 | .. | .. | .. |
| 6 | Wabash Coal Co..... | Dawson..... | Dawson..... | .. | 259 | 5.4 | 10.0 | .. | .. | .. |
| 7 | Black Diamond C. & T. Co. | Iles' Junction | Iles' Junction | .. | 245 | 5.9 | 10.0 | .. | .. | .. |
| 8 | Springfield Junction C. Co. | .. | .. | .. | 250 | 5.6 | 9.5 | .. | .. | .. |
| 9 | Woodside Coal Co..... | .. | .. | .. | 250 | 5.6 | 10.0 | .. | .. | .. |
| 10 | D. J. Lloyd..... | Pawnee | Pawnee..... | .. | 324 | 7.0 | .1 | .. | .. | .. |
| 11 | Springf'd & Pleasant P. C. Co | Pleasant Pl'ns | Pleasant Pl'ns | .. | 12 | 5.6 | 1.0 | .. | .. | .. |
| 12 | Clear Lake Co-op. Coal Co. | Riverton..... | Springfield... | .. | 220 | 5.9 | 15.6 | .. | .. | .. |
| 13 | Riverton Coal Co. No. 1 | .. | Riverton..... | .. | 200 | 5.9 | 5.0 | .. | .. | .. |
| 14 | Riverton Coal Co. No. 2..... | .. | .. | .. | 232 | 5.9 | 18.0 | .. | .. | .. |
| 15 | Golladay & Brandt. | Salisbury..... | Salisbury..... | L. | 150 | 5.8 | .2 | .. | .. | .. |
| 16 | W. Rutledge..... | Spaulding..... | Spaulding..... | .. | 238 | 5.6 | 6.0 | .. | .. | .. |
| 17 | Capital Coal Co. No. 1..... | Springfield... | Springfield... | S. | 240 | 5.9 | 2.5 | .. | .. | .. |
| 18 | Capital Coal Co. No. 2..... | .. | .. | .. | 240 | 5.9 | 7.0 | .. | .. | .. |
| 19 | Citizens' Coal Mining Co..... | .. | .. | .. | 210 | 5.9 | 11.0 | .. | .. | .. |
| 20 | Sangamon Coal Co..... | .. | .. | .. | 265 | 5.9 | 19.0 | .. | .. | .. |
| 21 | Springfield Co-op. Coal Co. | .. | .. | .. | 250 | 5.9 | 5.5 | .. | .. | .. |
| 22 | Springfield C. M. & T. Co. | .. | .. | .. | 250 | 5.9 | 12.0 | .. | .. | .. |
| 23 | Stearns' Coal Mining Co..... | .. | .. | .. | 230 | 5.8 | 14.0 | .. | .. | .. |
| 24 | Wilm. & Springf'd Coal Co. | .. | .. | .. | 245 | 5.9 | 16.0 | .. | .. | .. |
| 25 | West End Coal Co..... | .. | .. | .. | 150 | 5.8 | 7.0 | .. | .. | .. |
| 26 | Williamsville Coal Co..... | Williamsville. | Williamsville. | .. | 269 | 5.8 | 7.0 | .. | .. | .. |
| Total | | | | .. | .. | .. | 242.2 | .. | .. | .. |
| Averages..... | | | | .. | .. | .. | .. | .. | .. | .. |

Montgomery County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|--------------|---------|---|---|---|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|--------|
| | Under ground. | | Above ground | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 188 | 138 | 12 | 10 | 2 | S. M. | 77. | .. | .. | 42, 112 | 32, 640 | 9, 472 | \$0 75 | 126 | \$0 65 | 742 |
| 2 | 111 | 111 | 11 | 11 | 10 | .. | 67. | .. | .. | 93, 517 | 63, 213 | 30, 304 | 65 | 212 | 65 | 1, 051 |
| 3 | 34 | 17 | 6 | 5 | .. | .. | 64. | .. | .. | 9, 470 | 6, 070 | 3, 400 | 1 00 | 220 | 60 | .. |
| 4 | 52 | 34 | 6 | 4 | .. | .. | .. | .. | .. | 26, 000 | 24, 000 | 2, 000 | 90 | 250 | 30 | 155 |
| | 385 | 300 | 35 | 30 | 12 | .. | .. | .. | 2 | 171, 099 | 125, 923 | 45, 176 | .. | .. | .. | 1, 948 |
| | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | \$0 74 | 204 | .. | .. |

Sangamon County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|--------------|---------|---|---|---|-------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 11 | 6 | 4 | 3 | 1 | S. M. | .. | .. | .. | 8, 600 | 7, 900 | 700 | \$0 60 | 150 | \$0 60 | 263 |
| 2 | 115 | 81 | 12 | 9 | 2 | .. | .. | .. | 1 | 173, 033 | 107, 975 | 65, 058 | 60 | 233 | 60 | 4, 485 |
| 3 | 100 | 61 | 10 | 7 | .. | .. | 100. | .. | .. | 60, 560 | 41, 600 | 18, 960 | 72 | 150 | 60 | 1, 724 |
| 4 | 102 | 102 | 12 | 12 | .. | .. | 100. | .. | 1 | 122, 780 | 104, 731 | 18, 049 | 66 | 300 | 60 | 4, 300 |
| 5 | 16 | 16 | 4 | 4 | .. | S. M. | .. | .. | .. | 10, 167 | 8, 134 | 2, 033 | 65 | 120 | .. | 250 |
| 6 | 81 | 52 | 9 | 8 | 3 | S. M. | .. | .. | 1 | 74, 804 | 50, 804 | 24, 000 | 73 | 156 | 60 | 1, 888 |
| 7 | 84 | 44 | 10 | 10 | .. | .. | .. | .. | 1 | 57, 000 | 42, 000 | 15, 000 | 80 | 200 | 80 | 2, 325 |
| 8 | 88 | 29 | 8 | 4 | .. | .. | .. | .. | .. | 55, 500 | 44, 400 | 11, 100 | 70 | 175 | .. | 1, 900 |
| 9 | 87 | 48 | 12 | 8 | .. | .. | .. | .. | 1 | 55, 000 | 40, 000 | 15, 000 | 75 | 200 | 60 | 1, 600 |
| 10 | .. | 6 | .. | 3 | .. | .. | .. | .. | 1 | 2, 000 | 1, 500 | 500 | 1 09 | 35 | .. | 50 |
| 11 | 15 | 8 | 3 | 3 | .. | M. | 100. | .. | .. | 6, 000 | 4, 500 | 1, 500 | 80 | 200 | 60 | 230 |
| 12 | 89 | 78 | 9 | 8 | .. | .. | .. | .. | 1 | 95, 000 | 93, 000 | 2, 000 | 75 | 250 | 60 | 2, 000 |
| 13 | 61 | 19 | 14 | 12 | .. | S. M. | 100. | .. | .. | 30, 332 | 25, 100 | 5, 232 | 81 | 99 | .. | 877 |
| 14 | 163 | 113 | 16 | 16 | .. | .. | 100. | .. | 3 | 113, 398 | 63, 053 | 50, 345 | 66 | 177 | .. | 3, 687 |
| 15 | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | 1, 800 | 1, 600 | 200 | 1 50 | 1 0 | 50 | 45 |
| 16 | 58 | 58 | 7 | 7 | .. | S. M. | .. | .. | .. | 32, 100 | 28, 800 | 3, 300 | 65 | 160 | 70 | 1, 152 |
| 17 | 19 | 19 | 3 | 3 | .. | .. | 100. | .. | .. | 15, 249 | 14, 669 | 580 | 80 | 170 | 60 | 560 |
| 18 | 84 | 54 | 11 | 11 | .. | .. | 100. | .. | .. | 95, 233 | 68, 431 | 26, 802 | 85 | 210 | 60 | 3, 222 |
| 19 | 66 | 53 | 49 | 9 | .. | .. | 100. | .. | .. | 67, 864 | 48, 505 | 19, 359 | 78 | 167 | 55 | 2, 369 |
| 20 | 105 | 69 | 11 | 9 | .. | .. | 100. | .. | 1 | 120, 851 | 90, 794 | 30, 077 | 66 | 208 | 50 1/2 | 4, 394 |
| 21 | 61 | 31 | 10 | 5 | .. | .. | 100. | .. | .. | 36, 000 | 30, 000 | 6, 000 | 80 | 175 | 60 3/4 | 1, 419 |
| 22 | 111 | 58 | 13 | 12 | .. | .. | 100. | .. | 1 | 74, 746 | 44, 848 | 29, 898 | 60 | 176 | .. | 2, 491 |
| 23 | 102 | 67 | 9 | 9 | .. | .. | .. | .. | 1 | 95, 000 | 70, 000 | 25, 000 | 65 | 235 | 75 | 3, 500 |
| 24 | 67 | 40 | 22 | 16 | .. | .. | .. | .. | .. | 96, 805 | 62, 923 | 33, 882 | 62 | 230 | 60 | 3, 102 |
| 25 | 62 | 40 | 7 | 5 | .. | .. | .. | .. | 1 | 44, 790 | 35, 526 | 9, 264 | 88 | 190 | 70 | 1, 504 |
| 26 | 56 | 51 | 12 | 12 | .. | .. | .. | .. | .. | 43, 200 | 25, 920 | 17, 280 | 70 | 216 | 60 | 1, 593 |
| | 1, 805 | 1, 203 | 238 | 205 | 32 | .. | .. | 6 | 10 | 1, 587, 812 | 1, 156, 713 | 431, 099 | .. | .. | .. | 50, 930 |
| | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 188 | .. | .. |

Shelby County—Fifth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Moweaqua C. M. and Mfg Co | Moweaqua... | Moweaqua... | S. | 618 | 5.4 | 5.0 | Sh. | R. P. | B. |
| 2 | M. Brophy..... | Shelbyville... | Shelbyville... | L. | 90 | 2.3 | 9 | " | " | H. |
| 3 | S. L. Flanders..... | " | " | " | 48 | 2.3 | " | " | " | " |
| 4 | Kearney Bros..... | " | " | " | 48 | 2.3 | 3 | " | " | " |
| 5 | John Richardson..... | " | " | " | 100 | 2.3 | 3 | " | " | " |
| 6 | Wm. Stonebuerner..... | " | " | " | 28 | 2.3 | " | " | " | " |
| 7 | B. F. Stretch..... | " | " | " | 98 | 2.3 | 1.5 | " | " | " |
| 8 | John Smith..... | Fancher..... | Fancher..... | " | 2 | 2.3 | " | D | " | " |
| 9 | Charles Michaelis..... | " | " | " | 40 | 2.3 | " | " | " | " |
| 10 | H. C. Gallagher & Son..... | " | " | " | 30 | 2.2 | 1 | Sh. | " | " |
| 11 | Wesley Cox..... | Robinson Crk | Robinson Crk | " | 30 | 2.2 | 1 | Sl. | " | " |
| 12 | John Stockdale..... | " | " | " | 1 | 1.10 | 3 | D. | " | " |
| 13 | J. H. Kensell..... | Neoga..... | Neoga..... | " | 2 | 2.4 | 1 | " | " | " |
| 14 | McLaughlin & Sullivan..... | " | " | " | 2 | 2.4 | 1 | " | " | " |
| 15 | George Steward..... | " | " | " | 2 | 2.4 | " | " | " | " |
| Total (15 mines)..... | | | | | | | 8.8 | | | |
| Averages..... | | | | | | | | | | |

Scott County—Fifth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|----------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | W. H. Bates & Co..... | Winchester... | Winchester... | S. | 96 | 2.6 | 5 | Sh. | R. P. | H. |
| 2 | Jesse Cameron..... | " | " | L. | 2 | 2.4 | 1 | D. | " | " |
| 3 | Jones & Robertson..... | " | " | " | 2 | 2.4 | 1 | " | " | " |
| 4 | Charles Ruh..... | Exeter..... | Exeter..... | " | 18 | 2.4 | 1 | Sh. | " | " |
| 5 | Charles McGuire..... | Alsey..... | Alsey..... | " | 2 | 2.6 | 4 | D. | " | " |
| 6 | M. Murphy..... | " | " | " | 40 | 2.6 | 1 | " | " | " |
| Total (6 mines)..... | | | | | | | 5.9 | | | |
| Averages..... | | | | | | | | | | |

Shelby County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-----------|-------|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 108 | 55 | 10 | 10 | 1 | S. M. | ..... | .. | 2 | 27,866 | 19,740 | 8,126 | \$0 75 | 200 | \$0 70 | 1,254 |
| 2 | 5 | 2 | 1 | 1 | 1 | W. | ..... | .. | 1 | 1,600 | 1,600 | ..... | \$2 10 | 150 | 80 | ..... |
| 3 | 3 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 80 | 80 | ..... | \$2 00 | 25 | ..... | ..... |
| 4 | 4 | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 750 | 750 | ..... | \$2 00 | 120 | ..... | ..... |
| 5 | 12 | 6 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 800 | 800 | ..... | \$2 25 | 100 | ..... | ..... |
| 6 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 | 40 | ..... | \$1 50 | 15 | ..... | ..... |
| 7 | 16 | 6 | 2 | 2 | ..... | ..... | ..... | ..... | ..... | 2,416 | 2,416 | ..... | \$2 00 | 160 | ..... | ..... |
| 8 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 60 | ..... | \$1 50 | 45 | ..... | ..... |
| 9 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 60 | ..... | \$1 50 | 50 | ..... | ..... |
| 10 | 2 | 2 | 1 | 1 | ..... | ..... | ..... | ..... | ..... | 800 | 800 | ..... | \$1 75 | 100 | 60 | ..... |
| 11 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 150 | 150 | ..... | \$1 50 | 60 | ..... | ..... |
| 12 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 250 | 250 | ..... | \$1 50 | 100 | ..... | ..... |
| 13 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 200 | 200 | ..... | \$1 50 | 60 | 90 | ..... |
| 14 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 150 | 150 | ..... | \$1 50 | 50 | ..... | 6 |
| 15 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75 | 75 | ..... | \$1 50 | 30 | ..... | ..... |
| .. | 171 | 73 | 17 | 14 | 3 | ..... | ..... | 1 | 2 | 35,297 | 27,171 | 8,126 | ..... | ..... | ..... | 1,260 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1 079 | 110 | ..... | ..... |

Scott County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit car for which miner receives pay. | AC-CI-D-TS | | PRODUCTS AND VALUES. | | | | | SUPPLIE. | |
|-----------------|---|---------|--------------|---------|---|---|---|--|---|--|-------------------------------------|---|-------------------------|-------------------------------------|----------|--|
| | Under ground. | | Above ground | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 1 | 35 | 35 | 5 | 5 | 3 | S. M. | 92 | 1 | 15,800 | 15,300 | 500 | \$1 20 | 300 | \$0 70 | 665 | |
| 2 | 2 | 1 | | | | | | | 250 | 250 | | 1 50 | 70 | | | |
| 3 | 2 | | | | | | | | 500 | 500 | | 1 25 | 90 | | | |
| 4 | 2 | | | | | | | | 400 | 400 | | 1 50 | 90 | | | |
| 5 | 1 | 2 | | | | | | | 1,200 | 1,200 | | 1 25 | 180 | | | |
| 6 | 1 | | | | | | | | 260 | 260 | | 1 50 | 120 | | | |
| .. | 50 | 38 | 5 | 5 | 3 | | | | 18,410 | 17,910 | 500 | | | | 665 | |
| .. | | | | | | | | | | | | \$1 20 | 160 | | | |

SIXTH INSPECTION DISTRICT—1896.

Mr. Geo. A. Schilling, Secretary Bureau of Labor Statistics, Springfield, Ill.:

SIR:—In compliance with section 12 of "An act providing for the health and safety of persons employed in coal mines," I have the honor to present the annual report for the Sixth Inspection District for the year ending July 1, 1896.

The following summary is for the fiscal year 1896:

| | |
|---|-----------|
| Total number of mines..... | 102 |
| Shipping mines..... | 74 |
| Local mines..... | 28 |
| New mines..... | 4 |
| Abandoned mines..... | 7 |
| Estimated number of acres worked out..... | 586.6 |
| Number of miners employed during the winter..... | 1,642 |
| Number of miners employed during the summer..... | 1,502 |
| Others employed in and around the mines—winter..... | 1,371 |
| Others employed in and around the mines—summer..... | 70 |
| Boys under 16 employed underground..... | 203.6 |
| Total number of tons produced "all grades"..... | 3,676,164 |
| Total tons of lump..... | 2,888,372 |
| Total tons of other grades..... | 787,791 |
| Number of fatal accidents to employes..... | 4 |
| Number of non-fatal accidents to employes..... | 87 |
| Number of non-fatal accidents to others not employed..... | 4 |
| Number of tons produced for each fatal accident..... | 919,041 |
| Number of tons produced for each non-fatal accident..... | 40,397 |
| Number of persons employed in machine mines..... | 1,269 |
| Number of kegs of powder used..... | 77,320 |

New Mines.—In Madison county, John James has opened a local mine at Bethalto; Sam McDonald, one about two miles from Moro, and Kanter Bros., one about one and one-half miles east of Wan; all are gin pits.

In St. Clair county, Conrad Reeb has opened a mine about one and one-half miles south of Belleville; it is also a gin pit for local trade; the shaft is 100 feet deep and the thickness of the vein is six feet.

At Smithboro, Bond county, the shaft there was sunk to the lower vein, but it was found too thin to be profitable, so the working of it was abandoned, and work in the upper vein was resumed, which had been abandoned some time previous.

Abandoned Mines.—In Madison county, the mines of J. J. Maloy and W. H. Schaefer have been abandoned.

In St. Clair county, the Reinecke mine of the Consolidated Coal Company is abandoned, at least for the present; it has only been operated a few days during the year. Dutch Hollow mine belonging to the same company and

the Abend mine operated by Brosius Bros., have been permanently abandoned. The Lenzburg mine at Lenzburg, and the John Kloess mine at Belleville are also on the list of abandoned mines.

Escapements.—The Massie Coal Company has connected mines No. 1 and 2 which furnishes escapement for the former mine. Crown Coal & Tow Company has sunk an escapement shaft for their No. 4 mine, it is equipped with a horse gin and new cage.

The Consolidated Coal Company has sunk and equiped with gin and cage an escapement at White Oak, near Marissa.

Con. Reeb has sunk an escapement which is used for an air shaft for his new mine near Belleville. The Superior Coal Company is sinking an escapement for their mine at Kinmundy.

The Summit is nearly done with their shaft.

The Kolb Coal Company at Mascoutah is sinking an escapement for their mine and experiencing a great deal of trouble in getting through the sand.

Fires.—On September 23, 1895, the whole of the top works of the Mentor mine belonging to the Consolidated Coal Company was consumed by fire. The fire occurred a little after two o'clock in the morning; an engine had stopped for coal at the chutes, and the watchman assisted in coaling it up; immediately after, he discovered fire in the shaft tower, which in a few minutes was communicated to the engine and boiler houses, and in a short time was reduced to ashes. The engine and boiler houses were rebuilt of brick and work resumed November 4, 1895. It was supposed a spark from the engine was the cause of the fire.

On April 10, 1896, the engine and boiler houses of the Knecht mine belonging to the Consolidated Coal Company were burned to the ground. It was supposed that a spark from the smoke stack set fire to the weeds and grass adjacent to the pit. The topmen fought the fire and believed they had put it out; sufficient care had not been taken, however, as some sparks had been left unnoticed near the back of the engine house, where there was considerable combustible material; the fire broke out at this point and in a few moments the engine house was in flames, the fire beyond control, and a short time sufficed to complete the destruction of engine and boiler houses. The men were at work in the mine at the time, and although there were four separate openings to the mine, none of them were equipped as an escapement, and the men had to be hoisted from the mine at first, by means of a windlass which proved to be too slow; then most of them were hoisted up by the men pulling on a rope over a pulley; there were 31 but all arrived on top safely.

Dutch Hollow mine which was leased by the company used to be the escapement for the mines when it was running, but, having been abandoned it left them without an equipped escapement. The company had been notified and had taken steps towards having an escapement, but the fire caught them before they had one equipped. The buildings destroyed by the fire have been rebuilt and the escapement shaft properly equipped.

On May 4, 1896, about 11 p. m., a fire took place at the bottom of the John James mine, Bethalto, badly burning the timber of the shaft. The fire

caught from the furnace at the bottom of the shaft used for ventilating the mine; it was subdued by covering the shaft over with plank and then with dirt to exclude the air: when opened a day or two after, the fire was found to be extinguished and the damage not very great.

Improvements—The Gartside or Branch mine has been partly retimbered, also the Knecht, Brookside and Troy mines, all belonging to the Consolidated Coal Company. While retimbering the latter mine, quite an accident happened. It was left over night temporarily supported and during the night there was an exceedingly heavy rainstorm, which washed the drift from behind the timbers, where there was an opening left below: as a result the timbering gave way and allowed the shaft to cave in, making a hole 36x42 around the top, taking in pithead frame and shaker engine house, which all went down the shaft. This happened the 18th of May, and the bottom was not reached again until 1st of July. The damage has been repaired: it probably amounted to five thousand dollars.

The Enterprise mine at Rentchler has been retimbered.

Revolving screens, bins and elevators have been erected at Walnut Valley mine, Belleville, and at the Kolb mine, Mascoutah; at the former mine the pithead frame has been repaired.

Fans eight feet in diameter have been erected at the following mines in St. Clair county: Massie Coal Company Number I, Belleville; Summit Coal Company, Birkner, and at the Dietrich mine, near Freeburg.

At the Marissa mine, belonging to the Consolidated Coal Company, a new boiler has been put in in place of the old one, which, being tested, was found unsafe.

Blown Out Shots—On December 18, 1895, a serious explosion occurred at Odin mine, the result of a blown out shot; six men were more or less seriously burned and one was overcome by the smoke.

About noon, Joshua Dallas, an old and experienced miner, fired two shots in number 8 room, in second south entry; the room was only partially widened out and only a few yards from the entry. The blasting from this mine is all done from the solid, and this is rather poor coal for blasting, there being no parting from the roof and a poor one from the bottom; heavy charges of powder are necessary under the circumstances, and all the way from two to five quarts are used at a charge. The first of the two shots mentioned was a gripping shot on the left side of the room and had but a poor opportunity to do its work as it was gripping too much; it blew a little off the front of the shot and pounded that to slack and part of the hole was left standing. The second shot was on the right side of the room and pointing backward towards the first shot; it was bored only about 3½ feet and had practically no chance at all to do any work; it seems to have been heavily charged, leaving little room for the tamping. When this shot was fired, it simply blew the tamping and the force of explosion followed out both entries of Numbers 1 and 2 and burned men on both entries, some of them 500 feet from where the shot was fired. The ventilation of this mine is excellent and the current was blowing almost directly into the mouth of room number 8, from a cross-cut between number 1 and 2 entries. The room being damp, formed a moisture, so there

was no dust present except that manufactured by the first shot, which undoubtedly was the case.

I suggested to the company that no firing be done except by a man or men selected by the company and only at night, when no person but the shot-firers would be in the mine when the shooting was being done, and as they could select a place of safety from the direction that an explosion (if any should occur) would follow, comparative safety would be assured. The suggestion has been followed with good results, as several minor explosions of this kind have occurred since, and the shot-firers, by intelligently selecting a safe retreat from the probable direction of the explosion, have escaped harm.

I believe there is only one way to prevent this kind of accident, and that is to undermine the coal before blasting it, then less powder can be used at a charge. The danger arises from the quantity of powder used in charging. When a hole charged with about a half a keg of powder blows the tamping, the force and heat generated by the exploding of so much powder can easily be imagined.

Payment for Mining—It is impossible under existing circumstances to ascertain a correct average price paid for hand mining in this district, as by far the larger portion of it is paid for by the "box." In the first place, the size of the box varies at different mines, some are loaded with a close shovel taking slack and coal together, and some with a fork which leaves the coal comparatively clean; a great many use the rake and pan, but in no case are the miners paid by strict measure; the quantity of coal on top of the car varies with the ability and disposition of the boss to obtain results.

The men in this district are strongly opposed to the box system and desire to be paid by weight, because it is just.

Fatal Accidents—Thomas Jones, aged 52 years, married, miner, at Superior Coal Company mine, was instantly killed by a fall of rock. The accident happened between 5 and 6 p. m., when the shooting is being done before quitting work. There was a fault or slip in the roof running diagonally across the face of his entry. He had three shots to fire; one, or perhaps two of them had already been fired and he returned in the smoke to fire another, when the rock fell on him, crushing him above the hips and fracturing his skull at the back, which probably caused his death, and which was no doubt hastened by the dense powder smoke in which he was imprisoned for some time. The accident was the probable result of the deceased unwittingly violating the law prohibiting the firing of a second shot where the roof is broken or faulty, until the smoke of the previous shot has cleared away and the roof been examined. Mr. Jones was a Welehdman by birth, and left a widow and two dependent children.

April 2, 1896, at the Rentehler mine of the Missouri & Illinois Coal Company, Edward Bunningham, a loader, was fatally injured by a fall of rock and died three days later. He was loading a car at the time the stone fell on him. The mine boss claimed to have ordered him to place more props under the stone, which was known to be loose; this he neglected to do. He was a single man, a native of America and 35 years of age.

April 11, 1895, at the St. Clair mine of the Missouri & Illinois Coal Company, Adolph Schwab, single, aged 19 years, a native born, was killed by a

rock. He had only been working in the mine five days, being employed as a loader; was a cooper by trade and had never worked in a mine before. There were two other men in the room at the time of the accident and they narrowly escaped the same fate. One of the two had been loading in the room with the deceased that morning, and his experience in the mine, as stated at the inquest, was only about two months. Mr. Conrad, the mine boss, visited the place at 8 o'clock in the morning and observed a loose piece of clod overhead where the men were loading, not sounding it, however; he supposed it to be only a small piece, and told Mr. Cantar (the older man) to take it down, which he claimed he did; he did not sound the rock either, hence did not know its magnitude or how dangerous it was. At the inquest it developed that the mine was not examined that morning before the men went to work, as required by law, and the jury found a verdict blaming the mine manager for not having such examination made. The deceased was the main support of his father and mother and their five children.

May 19, 1896, at the Madison Coal Company mine No. 4, located at Glen Carbon, John Govinott, machine runner, aged 30, single, a Russian by birth, had his back broken by a fall of rock about 5 a. m. He was working on the night shift and had completed his day's work, and waited to help the shooter fire the holes; he had fired two near the center of the room that did excellent work, bringing down nearly all the mined coal in the room, but seeing a pot-hole near the left-hand rib that was not observed before the shooting, he was in the act of lighting the left-hand rib shot, when the rock fell and struck him in such a way that it knocked him against the rib with such force that it dislocated his back. He died June 5, 1896.

The following tables give the details of the fatal and non-fatal accidents and information in detail of the mines in the coal-producing counties in this district.

Respectfully submitted,

T. S. CUMMING,

State Inspector of Mines, Sixth District.

BELLEVILLE, ILL.

Fatal Casualties in and about Coal Mines in the Sixth District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age | Occupation. | Residence—Town | Name of Mine. | Persons dependent.. | Cause of Accident. |
|-------|------------------------|---------------------|-------------|------------------|-------------------------|---------------------|---|
| 1896. | | | | | | | |
| Feb. | 14 Thomas Jones | 52 Miner..... | ..... | Kimmury | Superior Coal Mine.. | 3 | Falling rock, while lighting a shot |
| April | 2 Ed Cunningham | 35 Loader..... | ..... | Rentchler | Rentchler | 1 | Falling rock, while loading a car |
| | 11 Adolph Schwab | 19 ..... | ..... | Friedburg | St. Clair | 1 | Falling rock..... |
| May | 19 John Govinoff | 30 Machine runner.. | ..... | Glen Carbon..... | Glen Carbon No. 4 | 1 | Falling rock, while lighting a shot..... |
| | Totals ..... | ..... | ..... | ..... | ..... | 3 | |
| | | | | | | 1 1 2 3 | |

Recapitulation of Fatal Accidents.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|------------------|-----|---------------------|-----|--------------------|-----|------------------------------------|-----|
| Freeburg..... | 1 | Loaders..... | 2 | Falling rock..... | 4 | Madison Coal Co..... | 1 |
| Glen Carbon..... | 1 | Machine runner..... | 1 | | | Missouri and Illinois Coal Co..... | 2 |
| Kimmunity..... | 1 | Miners..... | 1 | | | Superior Coal Co..... | 1 |
| Rentchler..... | 1 | | | | | | |
| Totals..... | 4 | | 4 | | 4 | | 4 |

Non-Fatal Casualties in and about Coal Mines in the Sixth District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Single. | Children. | No. persons dependent. | Character of Injury and Cause of Accident. | Time lost— days. |
|-------|-------------------|------|--------------|---------------------|------------------------|----------|---------|-----------|---------------------------|---|---------------------|
| 1895. | | | | | | | | | | | |
| July | 18 Geo. Barton | 29 | Driver | Centralia | Big 4 | 1 | | | | Hurt through hips, squeezed between pit cars. | 8 |
| " | 23 Sam Snyder | 21 | Loader | Glen Carbon | No. 2 | | | | | Face bruised by falling rock | 14 |
| " | 23 E. K. Leavitt | 29 | Driver | Glen Carbon | No. 1 | | | | | Foot injured by pit-car | 12 |
| Aug. | 12 Ed Rogers | 35 | Driver | Centralia | Big 4 | 1 | | | | Hip bruised by falling down | 11 |
| " | 20 Peter Miller | 35 | Blast | Centralia | Big 4 | 1 | | | | Body bruised by falling rock | 40 |
| " | 20 Henry Samsil | 36 | Loader | Belleville | Maasie Coal Co., No. 1 | 1 | | | | Head, breast and foot injured by falling rock | 10 |
| " | 31 Henry Thorp | 36 | Top boss | Glen Carbon | No. 2 | 1 | | | | Lost his finger, by shaker engine | 7 |
| Sept. | 5 Chas. Thern | 36 | Driver | Marietta | Marietta mine | 1 | | | | Injured inwardly, squeezed between roof and box. | 21 |
| " | 9 Wm. Goss | 28 | Blast | Glen Carbon | No. 1 | 1 | | | | Chest bruised by falling coal | 7 |
| " | 9 Ferd Esterlin | 30 | R.R. employe | Collinsville | Abbey, No. 3 | 1 | | | | Leg bruised, caught between apron and engine cab | 120 |
| " | 12 Joseph Courroy | 30 | Driver | Worden | No. 12 | 1 | | | | Knee cap fractured, by trying to stop a trip. | 58 |
| " | 21 John Henge | 28 | Loader | Centralia | Big 4 | 1 | | | | Injured by falling rock | 11 |
| " | 21 John Rutledge | 19 | Driver | Collinsville | Abbey, No. 3 | 1 | | | | Face and eyes burned; premature blast. | 14 |
| " | 21 Henry Klunk | 25 | Miner | Worden | No. 12 | 1 | | | | Face and eyes burned; premature blast. | 11 |
| " | 27 Aniel Shutter | 16 | Driver | Worden | No. 12 | 1 | | | | Foot bruised by falling coal | 21 |
| " | 31 John Steber | 20 | " | Glen Carbon | No. 1 | 1 | | | | Hip dislocated by a rock slipping on him. | 31 |
| Oct. | 9 Melvin Brooks | 24 | " | " | " | 1 | | | | Chest & back bruised, squeezed betw'n roof & box | 8 |
| " | 12 Chas. Mantel | 26 | Timberman | Raab Station | Oakland mine | 1 | | | | Back and side bruised with pit cars | 7 |
| " | 15 Chas. Hogan | 16 | Subst. p'ker | Glen Carbon | No. 2 | 1 | | | | Hips and back bruised by falling rock | 90 |
| " | 15 Henry Seibicke | 20 | Loader | " | " | 1 | | | | Toe broken by falling coal | 16 |
| " | 20 Geo. Borosh | 22 | Driver | Centralia | No. 4 | 1 | | | | Arm broken by falling from railroad car | 48 |
| Nov. | 28 Ed Skates | 22 | Miner | Alma | Big 4 | 1 | | | | Head and leg bruised by falling rock | 9 |
| " | 1 John Gaul | 15 | " | Alma | " | 1 | | | | Leg broken by falling rock | 120 |
| " | 1 James Roberts | 35 | Loader | Collinsville | Abbey, No. 3 | 1 | | | | Body bruised by flying coal from shot | 10 |
| " | 13 Joseph Benatto | 17 | Miner | Belleville | Walnut Valley | 1 | | | | Leg broken by flying coal from shot | 60 |
| " | 14 Ed Lall | 22 | Driver | Centralia | Big 4 | 1 | | | | Shoulder bruised by falling coal | 25 |
| " | 14 James Ribbis | 30 | " | " | " | 1 | | | | Leg broken by falling coal | 100 |
| " | 19 Fred Steinmann | 27 | Blacksmith | " | " | 1 | | | | Fingers mashed, spragging pit cars | 10 |
| " | 22 A. Schlezater | 20 | Loader | " | " | 1 | | | | Lost his fingers while repairing elevator chain | 27 |
| " | 23 John Klunk | 20 | " | " | " | 1 | | | | Hand bruised, caught between car and roof | 44 |
| " | 23 Ed Humphrey | 22 | Driver | " | " | 1 | | | | Ankle sprained by foot turning over | 37 |
| " | 23 John Klunk | 20 | " | " | " | 1 | | | | Burned on face and hands | 42 |
| " | 24 John Samsil | 37 | Blast | " | " | 1 | | | | End of thumb cut off while coupling pit cars | 24 |
| " | 30 John Rozel | 23 | Loader | Glen Carbon | No. 2 | 1 | | | | Ankle sprained by falling coal | 26 |
| Dec. | 9 John Terney | 37 | " | " | " | 1 | | | | Ankle sprained by falling coal | 9 |
| " | 5 Wm. Ray | 37 | Blast | Ogle Station | Branch mine | 1 | | | | Shoulder and knee bruised by falling coal | 14 |
| " | 5 Henry Shms | 20 | Acting engr. | New Athens | New Athens | 1 | | | | Breast bruised and ind. inwardly; boiler explosion | 30 |
| " | 5 David B. Hill | 24 | Farmer | New Athens | New Athens | 1 | | | | Face & hips bruised & head burned; boiler explosion | 14 |

Non-Fatal Casualties Sixth District—Concluded

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Single. | No. persons (Children. | No. dependent. | Character of Injury and Cause of Accident. | Time lost— days. |
|-------|----------------------|------|-------------|---------------------|-----------------------|----------|---------|---------------------------|----------------|---|---------------------|
| 1885. | | | | | | | | | | | |
| Dec. | 5 Wm. Sims | 16 | Topman | New Athens | New Athens | 1 | 1 | 1 | 1 | Arm and jaw broken; boiler explosion. | 90 |
| " | 5 John Keim | 17 | Teamster | " | " | 1 | 1 | 1 | 1 | Face badly burned; boiler explosion. | 15 |
| " | 5 Jacob Emjey | 30 | Farmer | " | " | 1 | 1 | 1 | 1 | Leg broken and body burned; boiler explosion. | 150 |
| " | 7 Pat Taggart | 26 | Driver | Birkner | Crown, No. 1 | 1 | 1 | 1 | 1 | Leg broken by falling rock. | 33 |
| " | 13 Miller Pontius | 34 | Laborer | Glen Carbon | No. 2 | 1 | 1 | 1 | 2 | Shoulder blade broken by loaded cars. | 8 |
| " | 16 John Kenge | 25 | Timberman | Collinsville | Abbey, No. 3 | 1 | 1 | 2 | 3 | Arm bruised by falling rock. | 21 |
| " | 18 J. B. Wicks | 19 | " | Troy | Troy mine | 1 | 1 | 1 | 1 | Foot cut with an ax while making cap pieces. | 8 |
| " | 19 Chas. Madottz | 25 | Helper | Collinsville | Abbey No. 3 | 1 | 1 | 1 | 2 | Leg broken, back and hips bruised by falling coal. | 88 |
| " | 21 Joshua Dallas | 50 | Miner | Odum | Odum mine | 1 | 1 | 1 | 2 | Hands and face burned; explosion caused by blown out shot. | 90 |
| " | 21 Robt. Dallas | 17 | " | " | " | 1 | 1 | 1 | 1 | Hands and face burned; explosion caused by blown out shot. | 90 |
| " | 21 Harry Jordan | 27 | " | " | " | 1 | 1 | 1 | 1 | Legs, arms, back and face burned; explosion caused by blown out shot. | 60 |
| " | 21 John Simpson | 25 | " | " | " | 1 | 1 | 3 | 4 | Arms and face burned; explosion caused by blown out shot. | 60 |
| " | 21 Andrew Denman | 22 | " | " | " | 1 | 1 | 1 | 1 | Han's and fa e burned; explosion caused by blown out shot. | 12 |
| " | 21 Schnyler Bartlett | 27 | " | " | " | 1 | 1 | 1 | 2 | Wrists and face burned; explosion caused by blown out shot. | 10 |
| " | 27 M. Belleville | 27 | Driver | Belleville | Walnut Valley | 1 | 1 | 3 | 4 | Slightly bruised; caught between cars. | 10 |
| " | 28 Geo. Treese | 51 | Miner | " | Maule mine | 1 | 1 | 10 | 11 | Three ribs broken by falling in trip hole. | 24 |
| 1896. | | | | | | | | | | | |
| Jan. | 3 Joe Storch | 21 | Loader | Glen Carbon | No. 2 | 1 | 1 | 1 | 1 | Scalp wound by falling rock. | 7 |
| " | 6 Ed Meyer | 20 | Driver | " | No. 1 | 1 | 1 | 1 | 1 | Broken wrist, caught between cars. | 39 |
| " | 8 Frank Stemmer | 24 | Loader | " | " | 1 | 1 | 1 | 2 | Thumb sprained by falling off car. | 15 |
| " | 9 J. W. Herrin | 36 | " | Centralia | M. & M'f'g Co., No. 2 | 1 | 1 | 2 | 3 | Bruised by falling rock. | 20 |
| " | 17 Cyrus Campbell | 19 | Driver | O'Fallon | Darrow mine | 1 | 1 | 1 | 1 | Squeezed between pit cars. | 21 |
| " | 20 Geo. Albert | 18 | Miner | Richland | Richland mine | 1 | 1 | 1 | 1 | Leg and arm broken by falling rock. | 125 |
| " | 20 Geo. Behl | 45 | " | Edwardsville | No. 3 | 1 | 1 | 5 | 6 | Squeezed between two cars. | 30 |
| " | 21 Wm. Aldrup | 40 | " | Centralia | M. & M'f'g Co. No. 2 | 1 | 1 | 2 | 3 | Ankle dislocated by falling rock. | 16 |
| Feb. | 6 Roy McBride | 16 | Helper | Edwardsville | White Oak | 1 | 1 | 1 | 1 | Leg broken, caught between pit cars. | 60 |
| " | 10 Henry Webster | 16 | Driver | Collinsville | Heintz Bluff | 1 | 1 | 1 | 6 | Ribs broken, and side bruised by falling rock. | 21 |
| " | 17 E. Wheeler | 33 | Miner | Marissa | White Oak | 1 | 1 | 1 | 1 | Bruised on hand by falling rock. | 13 |
| " | 18 Wm. Gast | 16 | " | O'Fallon | Darrow mine | 1 | 1 | 1 | 2 | Leg broken by flying coal from blast. | 11 |
| " | 21 E. Huskemeier | 34 | Blaster | Centralia | M. & M'f'g Co. No. 2 | 1 | 1 | 1 | 3 | Ankle bruised by falling rock. | 11 |
| " | 21 E. L. Drake | 31 | Miner | Warden No. 12 | No. 12 | 1 | 1 | 1 | 4 | Back hurt by falling rock. | 9 |
| " | 21 Peter Bradley | 37 | Driver | Edwardsville | No. 3 | 1 | 1 | 1 | 7 | Leg broken by falling rock. | 40 |
| " | 21 Dav d Travers | 27 | Miner | Lenz St tion | Branch mine | 1 | 1 | 1 | 1 | Foot bruised, caught in frog, run over by car. | 80 |
| Mar. | 41 Chas. McChintock | 21 | Driver | Glen Carbon | No. 4 | 1 | 1 | 1 | 1 | | |

| | | | | | | | |
|-------|------------------------|-------------------|----------------|----------------|---|--|-----|
| Mar. | 4 Mike Batty..... | 23 Timberman..... | Glen Carbon.. | No. 4..... | 1 | Leg bruised by falling rock. | 7 |
| " | 5 Geo. Mitchell..... | 24 Helper..... | Bunker Hill.. | Branch mine. | 1 | Foot broken " " | 7 |
| " | 14 Harry Bonath..... | 18 Miner..... | Centralia..... | Big 1..... | 1 | Leg broken by falling down. | 125 |
| April | 30 Peter Schlick..... | 50 Loader..... | Glen Carbon.. | No. 1..... | 1 | Leg broken by falling off a ladder. | 90 |
| " | 1 A. A. Fischer..... | 33 Top boss..... | " | " | 1 | Hips bruised by falling rock. | 8 |
| " | 8 John Boni..... | 27 Logger..... | Centralia..... | Big 4..... | 1 | Finger mashed by falling rock. | 21 |
| " | 11 Sam Adams..... | 46 Blaster..... | Sandoval..... | Sandoval mine. | 1 | Caught between car and rib (body bruised). | 30 |
| " | 13 John Grier..... | 24 Miner..... | Lenz Station.. | Crown No. 1.. | 1 | Burned about the head, blown out shot. | 24 |
| May | 4 Ben Ricks..... | 24 Driver..... | Centralia..... | Big 4..... | 1 | Hips and kidneys bruised by falling coal. | 10 |
| " | 12 Peter Fossalli..... | 30 Helper..... | Glen Carbon.. | No. 4..... | 1 | Body bruised, caught between loaded car and roof. | 20 |
| " | 24 Fred Jones..... | 22 Driver..... | Odin..... | Odin mine..... | 1 | Shoulder bruised and scalp wound, falling coal. | 7 |
| " | 27 John Smith..... | 19 "..... | Collinsville.. | " | 1 | Leg broken, caught between pit cars. | 90 |
| June | 1 Wm. Worst..... | 35 Timberman..... | Glen Carbon.. | Heintz Bluff.. | 1 | Arm broken, run over by pit car. | 90 |
| " | 9 John Pritchard..... | 45 Laborer..... | Breece..... | No. 2..... | 1 | Finger mashed between car and roof. | 20 |
| " | 9 Joseph Pohler..... | 35 Miner..... | Glen Carbon.. | Future mine.. | 1 | Foot punctured, stepped on a nail. | 8 |
| " | 10 Henry Steber..... | 24 Pipe man..... | Glen Carbon.. | No. 1..... | 1 | Leg broken by falling coal and rock (amputated). | * |
| " | 13 Geo. Romanat..... | 30 Helper..... | Odin..... | No. 2..... | 1 | Leg cut and bruised, caught between car and roof. | 9 |
| " | 18 John Bryant..... | 45 Miner..... | Odin Carbon.. | Odin mine..... | 1 | Hip and head bruised by falling coal. | 7 |
| " | 24 T. V. Utt..... | 24 Weigher..... | Glen Carbon.. | No. 2..... | 1 | Hip and leg hurt by falling rock and coal. | 12 |
| | | | | | 1 | Foot cut and bruised by a piece of sheet iron falling on it. | * |

* Not at work yet.

Recapitulation of Non-Fatal Accidents.

| Residence. | No. | Occupation. | No. | Cause of Accident. | No. | Colliery. | No. |
|--------------|-----|------------------|-----|--------------------|-----|------------------------|-----|
| Alma | 2 | Blasters | 7 | Ax | 1 | Breese Coal Co. | 1 |
| Belleville | 4 | Blacksmiths | 1 | Blown out shots | 7 | Centralia M. & M. Co. | 4 |
| Berkner | 1 | Drivers | 22 | Boiler explosion | 5 | Con. C. Co. | 21 |
| Breese | 1 | Engineers | 1 | Elevator | 1 | Consumers Coal Co. | 2 |
| Bunkerhill | 1 | Farmers | 2 | Foot twisting | 1 | Crown Coal and Tow Co. | 2 |
| Centralia | 18 | Helpers | 5 | Falling coal | 14 | Dutch Hill Co. | 3 |
| Collinsville | 8 | Laborers | 2 | Falling down | 6 | Geo. Hippard | 2 |
| Edwardsville | 2 | Loaders | 15 | Falling rock | 23 | Manly Coal Co. | 1 |
| Glen Carbon | 25 | Miners | 23 | Premature blast | 3 | Madison Coal Co. | 26 |
| Lenz Station | 2 | Pipemen | 1 | Pit cars | 1 | Massie Coal Co. | 1 |
| Maris-a | 2 | Railroad employé | 1 | Chute apron | 1 | Oakland Coal Co. | 1 |
| New Athens | 5 | Sulphur picker | 1 | Shaker engine | 1 | Odin Coal Co. | 1 |
| Odin | 9 | Teamsters | 1 | Sheet iron | 1 | P. & D. M. & M. Co. | 9 |
| O'Fallon | 2 | Timbermen | 5 | Stepping on nail | 1 | Sandoval C. Co. | 15 |
| Ogle Station | 1 | Top bosses | 2 | Flying coal | 3 | | 1 |
| Rash Station | 1 | Topmen | 1 | | | | |
| Richland | 1 | Weighers | 1 | | | | |
| Sandoval | 1 | | | | | | |
| Troy | 1 | | | | | | |
| Worden | 4 | | | | | | |
| Total | 91 | | 91 | | 91 | Total | 91 |

STATISTICAL TABLES.

SIXTH DISTRICT.

Bond County—Sixth District—1896.

[illegible]

Clinton County—Sixth District—1896.

| | Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|---|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | | Shipping or local mine. | Depth of coal below the sur ace in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | 2 | Consolidated Coal Co..... | Trenton | Collinsville... | Sh. | 333 | 4.3 | 2.0 | Sh. | R. P. | M. H. |
| 3 | | Breese Coal Co. (Future)... | Breese | Breese..... | " | 400 | .8 | .9 | " | " | " |
| | | | | | | 400 | 7.6 | 2.0 | | | |
| | | Totals (3 mines)..... | ..... | ..... |  |  |  |  |  |  |  |
| | | Averages ..... | ..... | ..... |  |  |  | 4.9 | | | |

Bond County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent, gross contents of pit car for which miner receives pay. | AC- CI- DENTS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|--------------|---------|---|---|---|---------------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 1 | 103 | 103 | 15 | 15 | ..... | S. M. | 80 | .. | .. | 68,669 | 54,529 | 14,140 | \$0 65 | 173 | \$0 65 | 1,950 |
| 2 | ..... | 23 | ..... | 6 | ..... | ..... | 100 | .. | .. | 2,389 | 1,308 | 1,081 | 1 00 | 75 | 65 | 200 |
| 3 | 103 | 126 | 15 | 21 | ..... | ..... | ..... | .. | .. | 71,058 | 55,837 | 15,221 | ..... | ..... | ..... | 2,150 |
| 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .. | .. | ..... | ..... | ..... | .658 | ..... | ..... | ..... |

Clinton County—1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | AC-CIDENTS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--------|-----------|--|
| | Under ground. | | Above ground. | | | | | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 1 | 103 | 108 | 27 | 27 | ..... | M. | 100 | .. | .. | 83,104 | 62,981 | 25,123 | \$1 00 | 171 | \$0 60 | 746 | |
| 2 | 70 | 70 | 11 | 11 | ..... | S. M. | 100 | .. | .. | 81,362 | 63,349 | 21,013 | 60 | 164 | 50 | 2,127 | |
| 3 | 97 | 77 | 8 | 8 | 5 | ..... | 100 | .. | 1 | 137,038 | 131,106 | 5,932 | 65 | 264 | 50 | 4,370 | |
| | 275 | 255 | 46 | 46 | 7 | ..... |  | .. | 1 | 309,504 | 257,436 | 52,068 | ..... | ..... | ..... | 7,243 | |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .. | .. | ..... | ..... | ..... | 72 33 | ..... | ..... | ..... |  |

Marion County—Sixth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Centralia Mine & Mfg. Co. | Centralia. | Centralia. | S. | 576 | 7 | 20 | Sh. | R. P. | H. |
| 2 | P. & D. Min. & Mfg. Co. B. 4 | ..... | ..... | .. | 637 | 6 | 16 | .. | .. | .. |
| 3 | Odin Coal Co. | Odin. | Odin. | .. | 714 | 6.6 | 22 | .. | .. | .. |
| 4 | Sandoval Coal & Min. Co. | Sandoval. | Sandoval. | .. | 609 | 5.6 | 28 | .. | .. | .. |
| 5 | Superior Coal Co. | Kinmundy. | Kinmundy. | .. | 871 | 4 | 4 | .. | .. | .. |
| 6 | Salem Coal Co. | Salem. | Salem. | .. | 885 | 3.9 | 2 | .. | .. | .. |
| Totals (6 mines) | | | | | | | 92 | | | |
| Average..... | | | | | | | | | | |

Marion County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent gross contents of pit-car for which miner receives pay. | Fatal. | Non-fatal. | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|--|--------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 205 | 164 | 54 | 39 | ..... | M. | ..... | 1 | 148,159 | 125,682 | 22,477 | \$0 70 | 289 | \$0 60 | 4,516 | | |
| 2 | 155 | 152 | 40 | 40 | 8 | S. | ..... | 14 | 180,576 | 99,317 | 81,259 | 75 | 267 | 60 | 5,000 | | |
| 3 | 110 | 110 | 20 | 20 | ..... | M. | 100 | 9 | 117,000 | 79,633 | 37,307 | 68 | 250 | 60 | 3,793 | | |
| 4 | 116 | 116 | 16 | 16 | ..... | M. | 100 | 1 | 154,857 | 126,601 | 32,253 | 65 | 213 | ..... | 4,220 | | |
| 5 | 44 | 30 | 12 | 8 | ..... | W. | 85 | 1 | 32,969 | 23,313 | 9,656 | 85 | 275 | 65 | 1,000 | | |
| 6 | 19 | 19 | 3 | 3 | 1 | ..... | ..... | ..... | 6,000 | 4,900 | 1,100 | 1 10 | 200 | 60 | 90 | | |
| .. | 649 | 591 | 145 | 126 | 13 | ..... | ..... | 1 28 | 643,561 | 459,509 | 184,052 | ..... | ..... | ..... | 18,619 | | |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 7054 | 249 | ..... | ..... |  |  |

Madison County—Sixth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|--|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Es. inated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Cons. Coal Co., Abbey No. 3. | Collinsville... | Collinsville... | S | 146 6.8 | 22 | Sh. | R. P. | M | |
| 2 | " Brookside... | Troy | " | " | 278 5 | 6 | " | " | H | |
| 3 | " Troy Mine... | " | " | " | 278 5 | 9 | " | " | M | |
| 4 | " Heinz Bluff... | Collinsville... | " | " | 168 6.8 | 18 | " | " | " | |
| 5 | " No. 12... | Worden | Staunton | " | 275 7 | 8 | " | " | H | |
| 6 | " McDonald... | " | " | " | 300 7 | " | " | " | " | |
| 7 | Madison Coal Co., No. 1... | Glen Carbon.. | Glen Carbon.. | " | 96 6.6 | 17 | " | " | " | |
| 8 | " No. 2... | " | " | " | 110 6.6 | 24 | " | " | M | |
| 9 | " No. 3... | Edwardsville.. | " | " | 217 6.6 | 7 | " | " | " | |
| 10 | " No. 4... | Glen Carbon.. | " | " | 130 6.6 | 9 | " | " | " | |
| 11 | Wonderly Coal Co..... | Edwardsville.. | Edwardsville.. | " | 150 5 | 3 | " | " | H | |
| 12 | Lumaghi Coal Co..... | Collinsville... | St. Louis, Mo. | " | 160 7 | 12 | " | " | " | |
| 13 | Nathan Sydal..... | North Alton.. | North Alton.. | L | 80 2.6 | 5 | " | " | " | |
| 14 | John Price..... | " | " | " | 50 2.6 | 1 | " | " | " | |
| 15 | B. L. Elgin..... | " | " | " | 56 3 | .2 | " | " | " | |
| 16 | Ball & Maloy..... | " | " | " | 100 2.6 | .8 | " | " | " | |
| 17 | John Spencer..... | Bethalto | Bethalto | " | 65 4 | .1 | " | " | " | |
| 18 | L. Yager..... | Near Moro..... | Moro..... | " | 50 5 | " | " | " | " | |
| 19 | Wm. Richardson..... | " | " | " | 48 5 | " | " | " | " | |
| 20 | Wm. Largent (Kabel's)..... | " | " | " | 85 4.6 | .2 | " | " | " | |
| 21 | Wm. Chalengsworth..... | Fosterburg... | Fosterburg... | " | 70 3.6 | .2 | " | " | " | |
| 22 | Sam McDonald..... | Moro..... | Moro..... | " | 45 6 | .1 | " | " | " | |
| 23 | John James..... | Bethalto | Bethalto | " | 67 5.6 | 1 | " | " | " | |
| 24 | * Kanter Bros..... | Near Wan..... | Wan..... | " | 2.6 | " | " | " | " | |
| Total (24 mines)..... | | | | | | 139.1 | | | | |
| Averages..... | | | | | | | | | | |

* New mine, and no report furnished.

Madison County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | ACCIDENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-----------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 118 | 118 | 21 | 21 | ..... | ..... | ..... | 6 | ..... | 149,537 | 117,054 | 32,488 | \$0 70 | 202 | \$0 50 | 904 |
| 2 | 69 | 69 | 8 | 8 | ..... | M. | 100 | ..... | ..... | 30,637 | 21,987 | 8,650 | 1 0 | 153 | 50 | 358 |
| 3 | 61 | 61 | 14 | 14 | ..... | ..... | ..... | 1 | ..... | 44,484 | 29,943 | 14,541 | 1 00 | 154 | 50 | 394 |
| 4 | 92 | 92 | 17 | 17 | ..... | ..... | ..... | 2 | ..... | 126,935 | 96,108 | 30,827 | 70 | 228 | 50 | 792 |
| 5 | 41 | 41 | 3 | 3 | ..... | M. | 100 | 4 | ..... | 40,937 | 32,750 | 8,187 | 70 | 177 | 65 | 749 |
| 6 | 2 | 2 | 2 | 2 | ..... | ..... | ..... | ..... | ..... | 541 | 451 | 90 | 75 | 24 | ..... | 10 |
| 7 | 72 | 72 | 5 | 5 | ..... | S.-M. | ..... | 10 | ..... | 125,736 | 88,402 | 37,334 | 55 | 233 | 50 | 2,081 |
| 8 | 242 | 164 | 20 | 15 | ..... | ..... | ..... | 10 | ..... | 274,629 | 200,978 | 73,651 | 55 | 203 | 50 | 2,309 |
| 9 | 115 | 31 | 13 | 6 | ..... | ..... | ..... | 2 | ..... | 64,878 | 52,711 | 12,167 | 80 | 225 | 50 | 699 |
| 10 | 170 | 114 | 8 | 6 | ..... | ..... | ..... | 1 | 5 | 100,362 | 70,545 | 29,817 | 55 | 158 | 50 | 1,138 |
| 11 | 33 | 17 | 4 | 3 | ..... | S.-M. | 100 | ..... | ..... | 12,257 | 11,423 | 834 | 75 | 280 | 50 | 439 |
| 12 | 57 | 39 | 5 | 4 | ..... | ..... | 100 | ..... | ..... | 99,724 | 59,670 | 40,054 | 55 | 280 | 50 | 2,221 |
| 13 | 6 | 2 | 1 | 1 | ..... | W. | 100 | ..... | ..... | 1,050 | 1,050 | ..... | 1 50 | 250 | ..... | ..... |
| 14 | 4 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 1,780 | 1,780 | ..... | 1 37 ¹ / ₂ | 200 | ..... | ..... |
| 15 | 3 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 500 | 500 | ..... | 1 37 ¹ / ₂ | 120 | ..... | ..... |
| 16 | 6 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 1,600 | 1,600 | ..... | 1 62 ¹ / ₂ | 200 | ..... | ..... |
| 17 | 2 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 500 | 500 | ..... | 1 25 | 200 | ..... | ..... |
| 18 | 1 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 200 | 200 | ..... | 1 00 | 100 | ..... | ..... |
| 19 | 1 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 381 | 381 | ..... | 1 00 | 180 | ..... | ..... |
| 20 | 2 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 750 | 750 | ..... | 1 00 | 250 | ..... | ..... |
| 21 | 4 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 600 | 600 | ..... | 1 25 | 150 | ..... | ..... |
| 22 | 4 | 1 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 500 | 500 | ..... | 1 00 | 125 | ..... | ..... |
| 23 | 7 | 2 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 2,200 | 2,200 | ..... | 1 00 | 162 | ..... | ..... |
| 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| .. | 1,112 | 837 | 131 | 114 | 10 | ..... | ..... | 1 40 | ..... | 1,080,718 | 792,083 | 288,635 | ..... | ..... | ..... | 12,124 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 655 | 192 | ..... | ..... |

St. Clair County—Sixth District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| | Cons. C. Co., St. Louis— | | | | | | | | | |
| 1 | Schureman..... | Belleville..... | Belleville..... | Sh. | 125 6 | | 5 | Sh. | R. P. | M. H. |
| 2 | Richland..... | " | " | " | 90 8 | | 3 | " | " | " |
| 3 | Gartside No. 4..... | " | " | " | 205 6.6 | | 6 | " | " | M. |
| 4 | Knecht..... | " | " | " | 125 6 | | 4 | " | " | " |
| 5 | Dutch Hollow..... | " | " | " | 125 6 | | | " | " | H. |
| 6 | Green Mount..... | " | " | " | 160 6 | | 4 | " | " | M. |
| 7 | Pittsburg..... | " | " | " | 132 6.6 | | 3 | " | " | H. |
| 8 | Rose Hill..... | " | " | " | 125 6 | | 3 | " | " | M. |
| 9 | Marissa..... | Marissa..... | " | " | 120 6 | | 5 | " | " | H. |
| 10 | White Oak..... | " | " | " | 147 6 | | 6 | " | " | " |
| 11 | Alma..... | Ridge Prairie. | Collinsville... | " | 210 6.6 | | 10 | " | " | " |
| 12 | Mentor..... | " | " | " | 210 7 | | 8 | " | " | " |
| 13 | Reinecke..... | Birkner..... | Belleville..... | " | 120 6 | | 4 | " | " | " |
| 14 | Abbey No. 4..... | Collinsville... | Collinsville... | " | 140 6.6 | | 8 | " | " | " |
| 15 | Oakland Coal Co..... | Lenz Station. | Belleville..... | " | 175 6.6 | | 5 | " | " | M. |
| 16 | John Hurst..... | Belleville..... | " | L. | 55 7 | | 1.5 | " | " | H. |
| 17 | Klingenfus Bros. Ab'nd No. 1 | " | " | " | 70 | | .6 | " | " | " |
| 18 | Frank Murphy, No. 2..... | " | " | " | 60 6.6 | | .5 | " | " | " |
| 19 | J. bn Kloess..... | " | " | Sh. | 110 8 | | 1 | " | " | " |
| 20 | Humboldt Coal Co..... | " | " | " | 100 6.6 | | 1.5 | " | " | " |
| 21 | Con. Reinecke, No. 2..... | " | " | " | 110 6 | | 12 | " | " | " |
| 22 | Highland Coal Co..... | " | " | " | 130 6.6 | | 6 | " | " | " |
| 23 | John Maule Coal Co., No. 1.. | " | " | " | 60 6.6 | | 6 | Sl. | " | " |
| 24 | " Nat'l..... | " | " | " | 60 6.6 | | 3 | Sh. | " | " |
| 25 | Massie Coal Co., No. 1..... | " | " | " | 120 6 | | 3 | " | " | " |
| 26 | " No. 2..... | " | " | " | 90 6 | | 3 | " | " | " |
| 27 | West End Coal Co..... | " | " | " | 115 7 | | 1 | " | " | " |
| 28 | Brosius Bros..... | " | " | L. | 60 6 | | .5 | " | " | " |
| 29 | Nic Weiss..... | " | " | " | 66 6.6 | | .4 | " | " | " |
| 30 | Glendale Coal Co..... | " | " | Sh. | 120 6.6 | | 10 | " | " | B. |
| 31 | J. Krantz..... | " | " | " | 55 6 | | 2 | " | " | H. |
| 32 | Wm. Skellett C. Co., L. & N. | Harmony Sta. | St. Louis, Mo. | " | 160 6 | | 5 | " | " | " |
| 33 | Crown Coal & Tow Co., No. 1 | Lenz Station. | St. Louis, Mo. | " | 150 5.6 | | 4 | " | " | " |
| 34 | " | 2 | " | " | 185 7 | | 7 | " | " | " |
| 35 | " | 4 | Near Bellev'le | " | 125 7 | | 6 | " | " | " |
| 36 | Oak Hill Coal Co..... | " | Belleville..... | " | 187 6 | | 5 | " | " | " |
| 37 | Ebel Bros..... | " | " | L. | 50 6.6 | | .8 | " | " | " |
| 38 | Mo. & Ill. C. Co., Wildern'n | Wild'rman St. | St. Louis, Mo. | Sh. | 90 6 | | 12 | " | " | M. |
| 39 | " Rentchler..... | Rentchler Sta. | " | " | 120 6 | | 9 | " | " | H. |
| 40 | " St. Clair..... | Freeburg..... | " | " | 130 6 | | 10 | " | " | " |
| 41 | Chas. Becker, "Freeburg" | " | Freeburg..... | " | 130 7 | | 3 | " | " | " |
| 42 | Dutch Hollow C. Co., Randle | " | St. Louis, Mo. | " | 150 6.6 | | 3 | " | " | " |
| 43 | Johnston Coal Co., "O. K." | Marissa..... | Marissa..... | " | 120 6 | | 3 | " | " | " |
| 44 | Advance Coal Co., Advance | " | " | " | 87 7 | | 5 | " | " | " |
| 45 | Consumers' C. Co., Darrow | Near O'Fallon | St. Louis, Mo. | " | 200 6 | | 8 | " | " | " |
| 46 | " Ruby..... | Caseyville | " | " | 200 7.6 | | 2 | " | " | " |
| 47 | Joseph Taylor..... | O'Fallon..... | " | " | 200 7 | | 10 | " | " | " |
| 48 | Tirre Coal Co., "Lenzburg" | Lenzburg..... | Lenzburg..... | " | 191 6.6 | | 3.5 | " | " | " |
| 49 | Walnut Hill Coal Co..... | Lenz Station.. | Birkner..... | " | 200 7 | | 3 | " | " | " |
| 50 | Summit Coal Co..... | Birkner..... | " | " | 190 7 | | 4.5 | " | " | " |
| 51 | Leb. C. & M. Assn., Bennetts | Lebanon..... | St. Louis, Mo. | " | 200 6 | | 7 | " | " | M. |
| 52 | W. Ogden & Bro., Enterprise | Rentchler..... | Rentchler..... | " | 120 7 | | 1.5 | " | " | H. |
| 53 | J. Moser, "Turkey Hill"..... | " | " | " | 110 7 | | 2 | " | " | " |

St. Clair County, 1896—Continued.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | |
| 2 | 28 | 28 | 4 | 4 | | | | | | 31,001 | 24,733 | 6,268 | \$0 65 | 209 | \$0 50 | 313 |
| 3 | 20 | 20 | 12 | 12 | 1 | M. | 100 | 1 | | 30,909 | 23,103 | 7,806 | 60 | 209 | 60 | 647 |
| 4 | 29 | 29 | 6 | 6 | | | | | | 41,759 | 32,296 | 9,463 | 65 | 204 | 70 | 289 |
| 5 | 30 | 30 | 5 | 5 | | | | | | 26,487 | 22,092 | 4,395 | 65 | 71 | 70 | 360 |
| 6 | | | | | | | | | | 510 | 422 | 88 | 65 | 15 | | |
| 7 | 26 | 26 | 3 | 3 | | | | | | 28,640 | 22,711 | 5,929 | 65 | 215 | 50 | 234 |
| 8 | 17 | 17 | 2 | 2 | 2 | M. | 100 | 1 | | 16,515 | 14,361 | 2,154 | 65 | 191 | 50 | 478 |
| 9 | 20 | 20 | 2 | 2 | | | | | | 16,463 | 13,876 | 2,587 | 65 | 171 | 50 | 150 |
| 10 | 24 | 24 | 5 | 5 | | M. | 100 | 1 | | 30,918 | 26,999 | 3,919 | 65 | 166 | 60 | 900 |
| 11 | 30 | 30 | 4 | 4 | | | 100 | 1 | | 36,746 | 29,908 | 6,838 | 65 | 147 | 60 | 1,034 |
| 12 | 51 | 51 | 9 | 9 | 4 | | 100 | 3 | | 71,261 | 62,294 | 8,967 | 60 | 182 | 50 | 1,912 |
| 13 | 56 | 56 | 10 | 10 | | | 100 | | | 68,823 | 61,815 | 7,008 | 60 | 156 | 50 | 1,661 |
| 14 | | | | | | | 100 | | | 2,342 | 1,904 | 438 | 65 | 20 | | |
| 15 | 30 | 30 | 5 | 5 | | | 100 | | | 53,052 | 37,105 | 15,947 | 70 | 238 | 50 | 1,259 |
| 16 | 29 | 17 | 5 | 3 | | | 100 | 1 | | 34,937 | 31,599 | 3,338 | 45 | 220 | 65 | 318 |
| 17 | 5 | 4 | 1 | 1 | | S.-M. | 100 | | | 5,400 | 5,400 | | 75 | 300 | 50 | 24 |
| 18 | 6 | 4 | 1 | 1 | | W. | 100 | | | 4,500 | 4,500 | | 75 | 300 | 40 | 150 |
| 19 | 3 | 2 | 1 | 1 | | | 100 | | | 3,000 | 3,000 | | 65 | 300 | 50 | 25 |
| 20 | 35 | 18 | 2 | 2 | | S.-M. | 100 | | | 6,281 | 5,860 | 421 | 55 | 147 | 70 | 109 |
| 21 | 19 | 10 | 1 | 1 | | | 100 | | | 10,000 | 10,000 | | 55 | 200 | 60 | 250 |
| 22 | 60 | 54 | 7 | 7 | | | 92 | | | 73,300 | 69,800 | 3,500 | 50 | 180 | 50 | 2,617 |
| 23 | 35 | 29 | 3 | 3 | | | 100 | | | 37,785 | 35,785 | 2,000 | 60 | 200 | 60 | 833 |
| 24 | 101 | 81 | 7 | 7 | | W. | 90 | 1 | | 37,836 | 37,836 | | 57 | 200 | 65 | 1,290 |
| 25 | 28 | | 2 | | | | 90 | | | 10,231 | 8,150 | 2,081 | 55 | 150 | 65 | 200 |
| 26 | 43 | 43 | 3 | 3 | | S.-M. | 100 | 1 | | 20,830 | 17,617 | 3,213 | 50 | 160 | 60 | 570 |
| 27 | 38 | 38 | 4 | 4 | | | 100 | | | 26,497 | 18,927 | 7,570 | 60 | 150 | 60 | 600 |
| 28 | 1 | 16 | 2 | 2 | 2 | M. | 100 | | | 6,000 | 6,000 | | 55 | 150 | 50 | 180 |
| 29 | 5 | 5 | 1 | 1 | | S.-M. | 100 | | | 3,000 | 3,000 | | 75 | 155 | 60 | 100 |
| 30 | 4 | 3 | 1 | 1 | | | 100 | | | 2,003 | 2,003 | | 1 00 | 300 | 80 | 23 |
| 31 | 66 | 39 | 6 | 6 | 4 | | 100 | | | 64,500 | 53,800 | 10,700 | 55 | 215 | 60 | 700 |
| 32 | 25 | 21 | 2 | 2 | 2 | | 100 | | | 12,052 | 12,052 | | 50 | 210 | 60 | 40 |
| 33 | 37 | 21 | 4 | 4 | 2 | | 90 | | | 28,378 | 25,084 | 3,294 | 55 | 192 | 60 | 1,058 |
| 34 | 34 | 34 | 4 | 4 | | | 100 | 2 | | 25,500 | 22,500 | 3,000 | 35 | 180 | 60 | 720 |
| 35 | 43 | 43 | 4 | 4 | 3 | | 100 | | | 41,400 | 36,000 | 5,400 | 40 | 180 | 60 | 500 |
| 36 | 67 | 67 | 6 | 6 | 1 | | 100 | | | 36,000 | 30,000 | 6,000 | 30 | 180 | 60 | 1,000 |
| 37 | 24 | 24 | 3 | 3 | 2 | M. | 100 | | | 28,977 | 24,366 | 4,611 | 44 1/2 | 217 | 50 | 726 |
| 38 | 7 | 5 | 2 | 2 | | S.-M. | 100 | | | 4,800 | 4,800 | | 1 00 | 300 | 70 | 100 |
| 39 | 37 | 31 | 5 | 5 | | | 100 | | | 69,257 | 55,360 | 13,897 | 50 | 234 | 60 | 2,981 |
| 40 | 37 | 27 | 4 | 3 | | | 100 | 1 | | 55,482 | 44,320 | 11,162 | 50 | 252 | 60 | 1,616 |
| 41 | 45 | 38 | 4 | 4 | | | 190 | 1 | | 60,404 | 48,320 | 12,084 | 50 | 243 | 60 | 1,943 |
| 42 | 19 | 15 | 3 | 3 | | M. | 100 | | | 16,000 | 14,000 | 2,000 | 42 1/2 | 225 | 50 | 510 |
| 43 | 12 | 12 | 2 | 2 | | S.-M. | 100 | | | 17,938 | 16,338 | 1,600 | 50 | 230 | 50 | 559 |
| 44 | 18 | 12 | 3 | 2 | | | 100 | | | 17,000 | 13,000 | 4,000 | 50 | 228 | 50 | 475 |
| 45 | 28 | 24 | 4 | 4 | 4 | M. | 100 | | | 31,712 | 31,000 | 712 | 55 | 250 | 70 | 955 |
| 46 | 94 | 77 | 10 | 10 | 6 | S.-M. | 100 | 2 | | 48,191 | 29,932 | 18,259 | 65 | 188 | | 142 |
| 47 | 24 | 24 | 6 | 6 | | | 100 | | | 6,212 | 4,410 | 1,802 | 45 | 96 | | 950 |
| 48 | 67 | 57 | 5 | 5 | 2 | | 100 | | | 56,125 | 47,250 | 8,875 | 60 | 176 | 50 | 1,535 |
| 49 | 24 | 24 | 3 | 3 | | M. | 100 | | | 22,186 | 17,359 | 4,827 | 50 | 250 | 60 | 550 |
| 50 | 27 | 12 | 3 | 2 | | S.-M. | 100 | | | 18,343 | 16,119 | 2,224 | 55 | 200 | 70 | 550 |
| 51 | 24 | 24 | 3 | 3 | 5 | M. | 100 | | | 27,080 | 20,800 | 6,280 | 40 | 192 | 50 | 540 |
| 52 | 69 | 37 | 8 | 6 | | | 100 | | | 50,520 | 37,840 | 12,680 | 70 | 175 | 60 | 400 |
| 53 | 17 | 12 | 2 | 2 | | M. | 100 | | | 9,952 | 9,952 | | 50 | 200 | 60 | 300 |
| 54 | 25 | 17 | 3 | 3 | | | 100 | | | 15,900 | 12,000 | 3,900 | 40 | 180 | 50 | 500 |

St. Clair County—Sixth District—1896—Continued.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 54 | James Beatty..... | Mascoutah ... | Mascoutah ... | L. | 175 | 8 | 2 | Sh. | R. P. | H. |
| 55 | Kolb Coal Co., "Kolb Mine" | | | Sh. | 160 | 7 | 2 | | | |
| 56 | Con Strawbinger..... | French Vill'ge | French Vill'ge | L. | 50 | 7 | 1 | D. | " | " |
| 57 | James Charlton..... | | | | 50 | 5 | | Sl. | " | " |
| 58 | Millstadt Coal Co. | Millstadt | Millstadt | Sh. | 48 | 5.6 | 2 | Sh. | " | " |
| 59 | Wm. Pistor (J. Schmidt)... | | | L. | 46 | 6 | 3 | " | " | " |
| 60 | James Sleiment & Son.... | Centreville.... | Centreville.... | | 60 | 6 | 1 | D. | " | " |
| 61 | Louis Grossmann..... | Smithton..... | Smithton..... | " | 20 | 6 | 12 | Sl. | " | " |
| 62 | Ben Johnston & Son..... | | | " | 30 | 6.6 | 4 | " | " | " |
| 63 | Dutch Hill Coal Co..... | New Athens.. | New Athens.. | " | 70 | 6.6 | | " | " | " |
| 64 | G. Hippard, Walnut Valley. | Belleville.... | Belleville.... | S. | 75 | 6.6 | 1.5 | " | " | " |
| 65 | Lenzburg Coal Co..... | Lenzburg..... | Lenzburg..... | " | 90 | 6.6 | 2 | Sh. | " | " |
| 66 | Deidrich Coal Co..... | Freeburg..... | Freeburg..... | L. | 60 | 7.6 | 1 | " | " | " |
| 67 | Con. Reeb..... | Belleville.... | Belleville.... | " | 100 | 7 | .5 | " | " | " |
| Totals..... | | | | | | | 245.2 | | | |
| Averages | | | | | | | | | | |

St. Clair County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|--------------|---------|--|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 54 | 2 | 2 | 1 | 1 | ..... | W. | 100 | .. | .. | 1,000 | 1,000 | ..... | \$0 75 | 100 | \$0 50 | 150 |
| 55 | 30 | 30 | 4 | 4 | ..... | S.-M. | 87½ | .. | .. | 14,000 | 14,000 | ..... | 45 | 240 | 50 | 470 |
| 56 | 4 | 3 | 1 | 1 | ..... | W. | 100 | .. | .. | 4,000 | 4,000 | ..... | 1 00 | 259 | 50 | 25 |
| 57 | 2 | .. | 1 | 1 | ..... | S.-M. | 100 | .. | .. | 600 | 600 | ..... | 1 00 | 180 | 50 | 15 |
| 58 | 32 | 20 | 2 | 2 | ..... | .. | 100 | .. | .. | 14,576 | 13,680 | 896 | 1 71 | 185 | 50 | .. |
| 59 | 6 | 3 | 1 | 1 | ..... | .. | 100 | .. | .. | 2,112 | 2,112 | ..... | 1 25 | 213 | 60 | ..... |
| 60 | 2 | 1 | .. | .. | ..... | .. | 100 | .. | .. | 600 | 600 | ..... | 1 00 | 290 | 50 | ..... |
| 61 | 2 | 1 | 1 | 1 | ..... | W. | 100 | .. | .. | 1,200 | 1,200 | ..... | 1 00 | 250 | 65 | ..... |
| 62 | 2 | 2 | .. | .. | ..... | .. | 100 | .. | .. | 2,500 | 2,500 | ..... | 1 00 | 250 | 50 | 2 |
| 63 | 5 | 5 | 1 | 1 | ..... | S.-M. | 100 | .. | 5 | 1,900 | 1,267 | 633 | 75 | 100 | 75 | 65 |
| 64 | 45 | 45 | 9 | 9 | ..... | .. | .. | .. | 2 | 21,000 | 18,000 | 6,000 | 42½ | 200 | 70 | 1,500 |
| 65 | 4 | .. | 2 | .. | ..... | .. | 100 | .. | .. | 1,200 | 1,200 | ..... | 75 | 100 | 60 | 40 |
| 66 | 2 | 2 | 1 | 1 | ..... | W. | 100 | .. | .. | 600 | 600 | ..... | 75 | 100 | 60 | 18 |
| 67 | 6 | 5 | 1 | 1 | ..... | M. | 100 | .. | .. | 3,000 | 3,000 | ..... | 75 | 300 | 50 | 11 |
| .. | 1,807 | 1,501 | 223 | 212 | ..... | ..... | .. | 2 | 22 | 1,571,323 | 1,323,507 | 247,816 | ..... | .. | .. | 38,184 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 5526 | 205 | ..... | ..... |

SEVENTH INSPECTION DISTRICT—1896.

GEO. A. SCHILLING, ESQ.,

Secretary Bureau of Labor Statistics, Springfield, Ill.:

DEAR SIR:—In compliance with section twelve of the Mining Law of the State, defining the duties of State Inspectors of Mines, I have the honor to submit to you the first report of the Seventh Inspection District, in the Thirtieth Annual Report of the Inspectors of Mines.

The following is a summary of the statements for all the counties in the district:

| | |
|---|-----------|
| Total number of mines..... | 126 |
| Total number shipping mines..... | 61 |
| Total number of local mines..... | 65 |
| Greatest number of miners employed..... | 1,987 |
| Greatest number of others employed under ground..... | 1,319 |
| Number of boys under 16 years of age under ground..... | 44 |
| Total under ground..... | 3,350 |
| Greatest number employed above ground..... | 476 |
| Total number employed in and around the mines..... | 3,816 |
| Total tons all grades produced..... | 2,270,746 |
| Total tons of lump coal produced..... | 1,026,204 |
| Total tons other grades produced..... | 596,027 |
| Number of kegs of powder used in blasting coal..... | 55,957 |
| Average number of tons of all grades produced, per keg of powder..... | 40 |
| Number of fatal accidents..... | 10 |
| Number of non-fatal accidents..... | 59 |
| Number of men employed to each fatal accident..... | 382 |
| Number of tons of coal produced to each fatal accident..... | 270,746 |
| Number of tons of coal produced to each non-fatal accident..... | 38,487 |
| Average cost of powder per keg to miner..... | \$1 70 |
| Average cost of oil per gallon to miner..... | \$0 69.6 |
| Average cost of blacksmithing to miner, per month..... | \$0 59 |
| Average value per ton of total product..... | \$0 63.4 |
| Average price paid for hand mining—100 per cent. gross contents..... | \$0 31.1 |

New Mines.—The Williamson County Coal Co., at Johnson City, Williamson county, on the C., P. & M. R. R., and the George Breuggermann mine, at Nashville, Washington county, on the Centralia & Chester R. R., have been opened and put in operation this year. Both are in the shipping class.

Abandoned mines and mines not in operation during the year:

| | |
|----------------------------------|--------------------------------|
| William Barnard's shaft..... | Percy, Randolph county..... |
| The Pope & Mifflin shaft..... | DuQuoin, Perry county..... |
| Davenport Coal Co. shaft..... | New Castle, Saline county..... |
| The Eldorado Coal Co. slope..... | Brooklyn, Saline county..... |

The Superior Coal Co.'s shaft at DuQuoin, Perry county, has not hoisted any coal during the year, but is in working order.

Improvements.—The B., M., C. & I. Co., Murphysboro, Jackson county, have put in an endless rope haulage plant in their No. 5 mine, to haul the coal from main entries of shaft No. 4 to shaft No. 5, where it will be hoisted, shaft No. 4 having been abandoned as a hoisting shaft. They have also established a pumping plant at old No. 1 shaft, to pump out the water, and use this shaft as an air shaft for their new No. 6 shaft, which will be opened up soon.

The Willis Coal and Mining Co., Willisville, Perry county, have put in a new Ingersoll-Sargent Compressor and four mining machines, at their Willisville mine.

The Coulterville Mining Co., Coulterville, Randolph county, have retimbered their hoisting and escapement shaft, and are making all necessary improvements in compliance with the law.

The Mt. Vernon Coal Co., Mt. Vernon, Jefferson county, have completed a new hoisting plant and put in a new 12 ft. fan, and now have one of the best equipped plants in the district.

The I., C., C. & S. Co., St. Johns, Perry county, have built a Campbell coal washer and are now washing and marketing all the slack and fine coal which formerly went to the dump pile.

Cunninghame & Co., of Chicago, have erected a large washer plant at the mine of B., M., C. & C. Co., DeSoto, Jackson county, and are now marketing all coal produced by this mine under 2½ in. They use the Luhrig system and market all coal above ½ in.

Ventilation.—A new 12 foot fan has displaced the furnace at Randolph No. 2, Rosboro, Randolph county.

The Marion Coal Co., Marion Williamson Co., and Brown & Barwell, of Cutler Perry Co., have also put in new 12 foot fans, and are making an effort to improve the ventilation of their mines.

Escapement Shafts.—A number of escapement shafts have been sunk during the year, and others are now being sunk which will be completed before spring.

Prospective Mines.—The B. M. C. & I. Co., Murphysboro, Jackson County, are now sinking a shaft at Herrins Prairie, Williamson county, on the C. & T. R. R., 9½x20 in clear to the No. 7 seam, which is 140 feet below the surface and 9 feet thick. The indications are this will be one of the largest plants in this district, with a capacity of 1,500 or 1,700 tons per day.

The Harrisburg Mining and Coal Co. are sinking a shaft 7 ft. 4 in.x19 ft. 4 in. in the clear at Harrisburg to the No. 5 and 7 seam. No. 7 seam is about 63 feet below surface, and No. 5 seam is about 200 feet, and 7 ft. 10 in. thick. They will open up both seams from the one shaft.

The Crab Orchard Coal Co., Spillertown, Williamson county, are now sinking a new shaft with a view of making a first-class mine in every respect.

William Barnard has abandoned his old mine at Percy, and will move machinery to Cutler, Perry county, where he will sink a new shaft.

Fatal Accidents—September 6, 1895, William Mitchell, miner, 48 years of age, married, wife and two children, employed in Big Muddy Coal and Coke

Co.'s mine at DeSoto, Jackson county, was killed by falling top coal. The deceased in attempting take down topeut, down prop with an axe, thereby letting the coal down upon him with result as above.

✓ September 16, 1895, Robert Leighton, a cager, employed at Gartside mine No. 4, Murpysboro, Jackson county, was found crushed lifeless in the cage seat at bottom of shaft. The coroner returned a verdict of accidental death. The deceased was 40 year of age; left widow and three children.

✓ November 2, 1895, Frank Bowman, miner, age 40 years, single, employed by the Mt. Vernon Coal Co., Jefferson county, was undermining for a shot when a piece of draw slate 3 ft. by 4½ ft. long and about 6 in. thick fell upon him, from a height of about 4½ ft., crushing him so badly he died in five hours after the accident.

✓ December 16, 1895, Joseph Bartelero, miner, age 23, unmarried, employed in Browning mine, DuQuoin, Perry county, while scraping out a hole he had just finished drilling, a large piece of soap stone fell upon him, from the effects of which he died the next day.

He told the workmen who took the stone off him: "For all I have had to do to-day I might have taken it down and had it cleared away." But he neglected to do so and met with the consequences as above stated.

✓ January 27, 1896, James Lafferty, a single man, aged 36 years, was instantly killed, and Sherman Lively, was fatally injured, he dying February 1st, by the premature explosion of a shot in Eden mine, of the Valley and Gulf Coal Co., Sparta, Randolph county. They were tamping a shot. Lafferty was using an iron tamper. It is supposed the tamper struck a sulphur, thereby producing a spark, igniting the powder in hole. Lively said "he could not remember how much of the hole was tamped up." Lively was a married man; leaves widow and two children.

✓ January 29, 1896, Seth Eubanks, a miner, single man, employed in Egyptian mine of the DuQuoin Union Coal Co., DuQuoin, Perry county, was fatally injured by falling of rock and died a few hours after the accident. The deceased was cutting prop on roadway when his brother called him to express an opinion regarding the shot, he came to face of the room, when the rock suddenly fell catching both men. Charles Eubanks, however, was not seriously injured.

✓ February 27, 1896, Alexander Hutton, a widower, 65 years of age, was found dead in his room at the Randolph Coal and Coke Co. shaft No. 1, located at Percy, Randolph county. The deceased had not been in good health for some time and was working against the advice of his friends. The coroner returned a verdict of death by heart failure.

March 20, 1896, Robert Rice, a miner, with seven others, was badly burned by a blown out shot explosion in the Consolidated Coal Co.'s mine, at Coulterville, Randolph county. The accident, with an attack of pneumonia, resulted in his death on March 28, 1896. The shot which caused the explosion was fired by Joseph Kahle. It was a tight corner shot being bound top and bottom by projecting coal. The hole had been fired before and blown tamping, leaving the drill hole in a cracked condition. The hole was drilled deeper and

heavily charged with powder, and when again fired succeeded in blowing out tamping, filling and charred coal blazing into the room, and notwithstanding the fact that the roads had been sprinkled in the morning of same day, it is evident from the intensity and extent of the fire—it reaching about 600 feet from the hole where the shot was fired—that the fine coal dust blown up by said explosion became ignited, which resulted in increasing the intensity of the explosion.

The deceased was standing about twenty-five feet from the entry and in an opposite room about 130 feet from where the explosion occurred, by way of an open entry cross cut. He was a married man, leaving a widow and two children.

Other explosions have occurred at this mine, and in the year 1883, by which ten men lost their lives. I recommend that hereafter all shot firing be done by regularly appointed and experienced firemen. All miners and other employés to be out of mine at time of firing.

Elzie Russell, aged 27, married, wife and two children, was killed by falling slate in the Little Muddy mine, at Percy, Randolph county.

The deceased neglected to properly timber his room after passing through a clay slip in the roof of his room, consequently allowing the roof to fall on him, causing injuries which resulted in his death.

The following tables present the fatal and non-fatal accidents.

Respectfully submitted,

Centralia, Ill.

JAMES B. BENNETT,
Inspector Seventh District.

Fatal Casualties in and about Coal Mines in the Seventh District of Illinois for the Year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence—Town | Name of Mine. | Married. | Widow. | Children. | Single. | No. persons dependent | Cause of Accident. |
|-------|---------------------|------|-------------|----------------|----------------|----------|--------|-----------|---------|-----------------------|---------------------------------------|
| 1895. | | | | | | | | | | | |
| Sept. | 6 William Mitchell | 45 | Miner | Desoto | Desoto | 1 | 1 | 2 | .. | 3 | Falling top coal |
| " | 16 Robert Leighton | 40 | Pager | Murphysboro | Gartside No. 4 | 1 | 1 | 3 | .. | 4 | Descending cage |
| Nov. | 2 Frank Bowman | 40 | Miner | Mt. Vernon | Mt. Vernon | 1 | 1 | 1 | .. | 1 | Falling rock |
| Dec. | 16 Joseph Bartelero | 23 | " | DuQuoin | Brownings | .. | .. | .. | 1 | .. | " |
| 1896. | | | | | | | | | | | |
| Jan. | 27 James Lafferty | 36 | Miner | Sparta | Eden | .. | .. | .. | 1 | .. | Premature blast |
| " | 27 Sherman Lively | 28 | " | DuQuoin | Egyptian | 1 | 1 | 1 | .. | 2 | " |
| " | 29 Seth Embarks | 19 | " | Percy | Randolph No. 1 | *1 | .. | .. | 1 | .. | Falling rock |
| Feb. | 27 Alexander Hutton | 65 | " | Coalerville | Coalerville | .. | 1 | 2 | .. | 3 | Heart failure. Found dead in the mine |
| March | 20 Robert Rice | 32 | " | Percy | Coalerville | 1 | 1 | 2 | .. | 3 | A blown out shot explosion |
| June | 19 Elzie Russell | 27 | " | Percy | Little Muddy | 1 | 1 | 2 | .. | 3 | Falling rock |
| | Totals | .. | .. | .. | .. | 6 | 5 | 10 | 4 | 15 | .. |

* Widower.

Recapitulation of Fatal Accidents.

| Residence. | No. | Occupation. | No. | Colliery. | No. | Cause of Accident. | No. |
|--------------------|-----|-------------|-----|----------------------|-----|----------------------------------|-----|
| Coulterville | 1 | Cager | 1 | Brownings | 1 | Descending cage | 1 |
| DeSoto | 1 | Miner | 1 | 9 Coulterville | 9 | 1 Falling top coal | 1 |
| DuQuoin | 2 | | | Eiden | 2 | 2 Falling rock | 4 |
| Murphysboro | 1 | | | Egyptian | 1 | 1 Hear! fa lure | 1 |
| Mt. Vernon | 1 | | | DeSoto | 1 | 1 Premature blast | 2 |
| Percy | 2 | | | Gartside No. 4 | 1 | 1 Blown out shot explosion | 1 |
| Sparta | 2 | | | Little Muddy | 1 | | |
| | | | | Mt. Vernon | 1 | | |
| | | | | Randolph No. 1 | 1 | | |
| Totals | 10 | | 10 | | 10 | | 10 |

Non-Fatal Casualties in and about Coal Mines in the Seventh District of Illinois, for the year ending July 1, 1896.

| Date. | Name. | Age. | Occupation. | Residence— Town. | Name of Mine. | Married. | Wife and children. | Single. | Per- son de- pendent. | Character of Injury and Cause of Accident. | Time lost— days. |
|-------|---------------------------|------|-------------|---------------------|-------------------------|----------|-----------------------|---------|-----------------------------|---|---------------------|
| 1895. | | | | | | | | | | | |
| July | 9 Joseph Bugowoni..... | 28 | Miner..... | Murphysboro..... | B. M. C. & I. Co. No. 4 | 1 | | 1 | 6 | Leg broken by falling rock. | 45 |
| " | 18 Amos Barnett..... | 43 | " | DuQuoin..... | Greenwood..... | 1 | 6 | | 1 | Legs injured by falling rock. | 37 |
| " | 20 Mike Donovan..... | 21 | " | Sparta..... | Boyd's..... | 1 | 1 | | 1 | Shoulder fractured by falling rock. | 30 |
| " | 23 Wiley Eubanks..... | 35 | " | DuQuoin..... | Greenwood..... | 1 | 5 | | 5 | Bruised by falling coal while mining off a stand- ing shot. | 30 |
| " | 16 George Bradley..... | 54 | Timberman. | " | Brownings..... | 1 | 1 | | 1 | Leg bruised, timber falling on it while re-setting | 12 |
| Aug. | 19 Wm. Tibbs..... | 48 | Miner..... | " | " | 1 | 5 | | 5 | Back bruised by falling rock. | 20 |
| " | 26 Geo. Liek..... | 19 | Driver..... | Hallidayboro. | Muddy Valley..... | 1 | | 1 | 1 | Jaw broken and bruised about the breast, squeezed between trap door and pit car. | 14 |
| Oct. | 5 Thomas Terry..... | 22 | " | " | " | | | | | Squeezed between loaded car and roof. | 10 |
| " | 12 Thomas Cross..... | 18 | Miner..... | Nashville..... | Nashville No. 1..... | 1 | 1 | | 1 | Ankle sprained and bruised by falling rock. | 15 |
| " | 12 James Franks..... | 23 | Driver..... | Sparta..... | Eden..... | 1 | | 1 | 1 | Hand mashed between mine car and rib. | 30 |
| " | 12 Dan Cochran..... | 22 | Cager..... | Mt. Vernon..... | Mt. Vernon..... | 1 | 1 | | 1 | Lo-t little finger, mashed between car and cage. | 21 |
| " | 23 W. C. Blair..... | 41 | " | " | " | 1 | 3 | | 3 | Foot mashed by falling rock. | 14 |
| " | 25 E. W. Evans..... | 50 | Miner..... | DuQuoin..... | Jupiter..... | 1 | 5 | | 5 | Arm broken and hip dislocated by falling rock. | 25 |
| " | 26 Leon Coleman..... | 25 | Cager..... | Rosboro..... | Randolph No. 2..... | 1 | | 1 | 1 | Arm broken, got on the cage after it was rung off | 65 |
| Nov. | 14 Joseph Basolo..... | 50 | Miner..... | St. Johns..... | Harrison..... | 1 | 2 | | 2 | Head cut by falling rock. | 10 |
| Dec. | 3 John M. White..... | 5 | " | Murphysboro..... | B. M. C. & I. Co. No. 5 | 1 | | 1 | 1 | L g broken by falling top coal. | 75 |
| " | 5 Henry Assia..... | 20 | Helper..... | DuQuoin..... | Pope & Miffin..... | 1 | 1 | | 1 | Collar bone broken and bruised about the body. | 75 |
| " | 13 E. W. Wright..... | 44 | Miner..... | Carterville..... | Daws..... | 1 | | 1 | 1 | Squeezed between car and entry rib. | 60 |
| " | 14 Vincey J. Lee..... | 24 | " | " | " | 1 | 5 | | 5 | Bruised by being squeezed on the entry by pit | 14 |
| " | 17 Chris. Schickedny..... | 45 | " | DuQuoin..... | Horns..... | 1 | | 1 | 1 | Bruised by being squeezed on the entry by pit | 7 |
| " | 17 Chris Schickedny..... | 17 | " | " | " | 1 | | 1 | 1 | Toes mashed, run over by pit car. | 7 |
| " | 20 J. O. Hinchcliff..... | 24 | Cager..... | Carterville..... | Daws..... | 1 | | 1 | 1 | " | 7 |
| 1896. | | | | | | | | | | | |
| Jan. | 8 John Britton..... | 46 | Miner..... | DuQuoin..... | Excelsior..... | 1 | 7 | | 7 | Back bruised and strained by falling rock. | 60 |
| " | 10 Geo. F. Gertach..... | 37 | " | Sparta..... | Gertach..... | 1 | 7 | | 7 | Leg broken by a fall of top coal. | 90 |
| " | 10 Herman Stearnes..... | 17 | Driver..... | Hallidayboro. | Muddy Valley..... | 1 | | 1 | 1 | Hand mashed between mine car bumpers. | 14 |
| " | 13 John Allison..... | 45 | Miner..... | Sparta..... | Eden..... | 1 | 7 | | 3 | Head cut and bruised by falling rock. | 90 |
| " | 23 Charles Eubanks..... | 31 | " | DuQuoin..... | Egyptian..... | 1 | | 1 | 1 | Head and side cut and bruised by falling rock. | 90 |
| Feb. | 5 Marsh Lamb..... | 25 | " | Ledford..... | New Ledford..... | 1 | 2 | | 2 | Face cut by falling rock. | 10 |
| " | 11 Milton Buford..... | 48 | " | Sparta..... | Boyd's..... | 1 | 6 | | 6 | Back bruised by fall of coal. | 8 |
| " | 11 J. W. Dunn..... | 31 | Trackman. | DuQuoin..... | Jupiter..... | 1 | 2 | | 2 | Foot and toes mashed by falling rock. | 90 |
| " | 19 W. M. Foster..... | 50 | Miner..... | Willisville..... | Willis..... | 1 | | 1 | 1 | Leg broken by fall of rock. | 90 |
| Mar. | 20 Edward Brownlee..... | 23 | " | Coulterville..... | Coulterville..... | 1 | 6 | | 6 | Face and hands burned, blown out shot explosion | 75 |
| " | 20 John Lowe..... | 35 | " | " | " | 1 | 8 | | 8 | " | 75 |
| " | 20 Robert Green..... | 35 | " | " | " | 1 | | 1 | 1 | " | 75 |

| | | | | | | | | |
|-------|------------------------|----------------|----------------|-------------------------|----|--------|---|------|
| Mar. | 20 Wm. Gleghorn..... | 17 Miner..... | Coulterville.. | Coulterville..... | 1 | 1 | Face and hands burned, blown out shot explosion | 30 |
| " | 20 William Brown..... | 20 "..... | " | " | 1 | 1 | " | 60 |
| " | 20 Peter Driller..... | 40 "..... | " | " | 1 | 1 | " | 30 |
| " | 27 Henry Cheers..... | 48 "..... | " | " | 1 | 1 | Hands burned by coal dust explosion. | 30 |
| " | 27 R. n Rossen..... | 40 "..... | " | " | 1 | 1 | " | 30 |
| April | 8 Philipp York..... | 64 Loader..... | " | Gartside No. 3. | 1 | 1 | " | 30 |
| " | 16 Logan Leek..... | 64 Miner..... | DuQuoin..... | Pope & Mifflin | 6 | 6 | Side and back injured by falling rock. | 85 |
| " | 27 Ralph Collins..... | 27 Cager..... | Hallidayboro. | Muddy Valley. | 1 | 1 | Arm broken between loaded pit ars. | 28 |
| May | 3 Henry Queriere..... | 47 Cager..... | Murphysboro. | B. M. C. & L. Co. No. 5 | 3 | 3 | Head and arm cut and side bruised, caused by falling coal down the shaft. | 15 |
| " | 4 Peter Jerns..... | 22 Driver..... | " | " No. 4 | 1 | 1 | Leg broken by mule falling on him. | 65 |
| " | 7 Henry Williams..... | 15 Helper..... | DuQuoin..... | Jupiter Valley | 1 | 1 | Back broken at the hip, falling rock. | * |
| " | 9 Ben Parrish..... | 38 Miner..... | Elkville..... | Muddy Valley | 3 | 3 | " | * |
| " | 10 John Rowatt..... | 40 "..... | Johnston City | Lumaghi No. 2. | 1 | 1 | Arm and shoulder bruised by flying shot coal. | 14 |
| " | 15 John Pry..... | 45 "..... | " | " | 1 | 1 | " | 15 |
| June | 12 W. M. Carhard..... | 29 "..... | Tilden..... | Tilden. | 4 | 4 | Hand mashed between mine cars. | * |
| " | 19 Robert Liddell..... | 32 "..... | Carrerville.. | Daws. | 1 | 1 | Leg broken and hip out of joint, falling rock. | * |
| " | 23 Stranger Linge..... | 30 "..... | DuQuoin..... | Browning. | 3 | 3 | Foot mashed by falling rock. | * |
| | Totals..... | | | | 28 | 105 23 | Back and shoulder bruised by falling rock. | 1568 |

* Not returned to work July 1, 1896.

† Moved away.

Recapitulation of Non-Fatal Accidents.

| Residence. | No. | Occupation. | No. | Colliery. | No. | Cause of Accident. | No. |
|-------------------|-----|---------------------|-----|------------------------------|-----|-------------------------------|-----|
| Cartersville..... | 3 | Cagers..... | 5 | Boys..... | 2 | Blown out shot explosion..... | 7 |
| Coulterville..... | 7 | Drivers..... | 5 | Brownings..... | 3 | Falling coal down shaft..... | 1 |
| DuQuoin..... | 14 | Machine helper..... | 1 | B. M. C. & I. Co. No. 4..... | 2 | Flying coal from shot..... | 1 |
| Elkville..... | 1 | Miners..... | 37 | B. M. C. & I. Co. No. 5..... | 2 | Falling top coal..... | 6 |
| Halidayboro..... | 4 | Timbermen..... | 1 | Coulterville..... | 7 | Falling rock..... | 22 |
| Johnson City..... | 2 | Trackmen..... | 1 | Daws..... | 3 | Hurt by a mule..... | 1 |
| Ledford..... | 1 | | | Eden..... | 2 | Hurt by a timber falling..... | 1 |
| Mt. Vernon..... | 2 | | | Egyptian..... | 1 | Mine car and cage..... | 1 |
| Murphysboro..... | 7 | | | Excelsior..... | 1 | Mine cars..... | 10 |
| Nashville..... | 1 | | | Gartside No. 3..... | 1 | | |
| Rosboro..... | 1 | | | Gerlach..... | 1 | | |
| Sparta..... | 5 | | | Greenwood..... | 2 | | |
| St. Johns..... | 1 | | | Harrison..... | 1 | | |
| Tilden..... | 1 | | | Horns..... | 2 | | |
| Willisville..... | 1 | | | Jupiter..... | 3 | | |
| | | | | Lumaghi No. 2..... | 2 | | |
| | | | | Mt. Vernon..... | 2 | | |
| | | | | Muddy Valley..... | 5 | | |
| | | | | Nashville..... | 1 | | |
| | | | | New Ledford..... | 1 | | |
| | | | | Paradise..... | 1 | | |
| | | | | Pope & Mifflin..... | 2 | | |
| | | | | Randolph No. 2..... | 1 | | |
| | | | | Tilden..... | 1 | | |
| | | | | Willis..... | 1 | | |
| Totals..... | 51 | | 51 | | 51 | | 51 |

STATISTICAL TABLES.

SEVENTH DISTRICT.

Gallatin County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local Mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Equality Coal Co..... | Equality..... | Equality..... | S. | 80 | 4.10 | 4 | Sh. | R. P. | H. |
| 2 | G. Schafer, Hick'y Hill Mine..... | "..... | "..... | L. | 30 | 4.6 | .05 | D. | " | " |
| 3 | Stader & Millsbaugh..... | "..... | "..... | " | 31 | 4 | .05 | Sl. | " | " |
| 4 | B. Freels..... | "..... | "..... | " | 21 | 4 | .33 | D. | " | " |
| 5 | Dunksey & Glover..... | "..... | "..... | " | 20 | 4 | .01 | " | " | " |
| 6 | Nelvels & Strong..... | Bowlesville.. | Bowlesville.. | " | 30 | 4.10 | .25 | " | " | " |
| 7 | Marion Brinkley..... | Leamington.. | Leamington.. | " | 25 | 4.8 | .33 | " | " | " |
| 8 | Wilbur Thompson..... | "..... | "..... | " | 25 | 4.8 | .30 | " | " | " |
| 9 | Andrew Reid..... | Saline Mines. | Saline Mines. | " | 30 | 4.10 | .25 | " | " | " |
| 10 | Leon Vogt..... | "..... | Shawneetown | " | 30 | 4.10 | .25 | " | " | " |
| Total (10 mines)..... | | | | | | | 6.81 | ..... | ..... | ..... |
| Averages..... |  |  |  |  |  |  |  | ..... | ..... | ..... |

Hamilton County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local Mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | J. C. Harper..... | Flint..... | Flint..... | L. | 6 | 2 | .05 | St. | ..... | H. |
| 2 | William Harper..... | "..... | "..... | " | 6 | 2 | .05 | " | " | " |
| 3 | Thomas McGinis..... | Dahlgren..... | Dahlgren..... | " | 12 | 2.6 | .05 | Sl. | R. P. | " |
| Totals (3 mines)..... | | | | | | | 1.05 | ..... | ..... | ..... |
| Averages..... |  |  |  |  |  |  |  | ..... | ..... | ..... |

Gallatin County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 1 | 41 | 24 | 4 | 4 | ..... | M. | 65 | ..... | 2 | 13,500 | 10,900 | 2,600 | \$0 75 | 126 | \$0 60 | 350 |
| 2 | 8 | 3 | 1 | 1 | ..... | W. | 75 | ..... | ..... | 2,500 | 2,500 | ..... | 1 00 | 100 | 60 | 60 |
| 3 | 6 | 3 | 1 | 1 | ..... | ..... | 75 | ..... | ..... | 2,000 | 2,000 | ..... | 1 00 | 100 | 60 | 55 |
| 4 | 6 | 3 | 1 | 1 | ..... | ..... | 75 | ..... | ..... | 500 | 500 | ..... | 1 00 | 75 | 60 | 12 |
| 5 | 12 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 250 | 250 | ..... | 1 00 | 60 | ..... | 6 |
| 6 | 1 | ..... | 1 | ..... | ..... | W. | 75 | ..... | ..... | 1,400 | 1,400 | ..... | 1 00 | 100 | 60 | 30 |
| 7 | 1 | ..... | 1 | 1 | ..... | ..... | 75 | ..... | ..... | 2,000 | 2,000 | ..... | 1 00 | 100 | 60 | 35 |
| 8 | 1 | ..... | 1 | ..... | ..... | ..... | 75 | ..... | ..... | 1,800 | 1,800 | ..... | 1 00 | 95 | 60 | 35 |
| 9 | 1 | ..... | 1 | ..... | ..... | ..... | 75 | ..... | ..... | 1,200 | 1,200 | ..... | 1 00 | 100 | 60 | 25 |
| 10 | 5 | 1 | ..... | ..... | ..... | ..... | 75 | ..... | ..... | 1,200 | 1,200 | ..... | 1 00 | 100 | 60 | 25 |
| .. | 90 | 46 | 12 | 8 | ..... | ..... | 74 | ..... | 2 | 26,350 | 23,750 | 2,600 | ..... | ..... | ..... | 633 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | 74 | ..... | ..... | ..... | ..... | ..... | \$0 88.5 | 956 | ..... | ..... |

Hamilton County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent, gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 4 | 2 | ... | ... | ... | M. | ... | ... | ... | 300 | 300 | ... | \$1 25 | 60 | ... | 2 |
| 2 | 3 | 1 | ... | ... | ... | W. | ... | ... | ... | 300 | 300 | ... | 1 25 | 70 | ... | 2 |
| 3 | 4 | 1 | 1 | 1 | ... | ... | ... | ... | ... | 400 | 400 | ... | 1 25 | 70 | ... | 2 |
| .. | 11 | 7 | 1 | 1 | ... | ... | ... | ... | ... | 1,000 | 1,000 | ... | ... | ... | 12 | ... |
| .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | \$1 25 | 63 1/3 | ... | ... |

Jefferson County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-----------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Mount Vernon Coal Co. | Mt. Vernon.... | Mt. Vernon.... | S | 852 | 4.10 | 2 | Sh. | R. P. | H. |
| 2 | G. W. Shelton..... | Opdyke..... | Opdyke..... | L | 41.8 | | .1 | St. | Sur. | " |
| Totals (2 mines)..... | | | | | | | | | | |
| Averages | | | | | | | 2.1 | | | |

Jackson County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | Gartside Coal Co. No. 1..... | Murphysboro. | St. Louis, Mo. | S | 121 | 6.6 | 2 | Sh. | R. P. | B. |
| 2 | " " No. 3..... | " | " | " | 146 | 6.6 | 4 | " | " | " |
| 3 | " " No. 4..... | " | " | " | 148 | 6.6 | " | " | " | " |
| 4 | Big Muddy C. & I. Co. No. 4 | " | Murphysboro. | " | 150 | 6.6 | 15.5 | " | " | M. |
| 5 | " " No. 5 | " | " | " | 150 | 6.6 | 27 | " | " | " |
| 6 | B. M. C. & I. Co., Harrison sh | " | " | " | 150 | 6.6 | 12 | " | " | " |
| 7 | Daniel P. Willis..... | " | " | L | 130 | 7 | 2 | " | " | H. |
| 8 | E. E. Poole | " | " | " | 60 | 2.8 | 0.5 | " | " | " |
| 9 | Evans & Brush..... | Carbondale... | Carbondale... | " | 30 | 3.6 | 0.5 | " | " | " |
| 10 | John C. Starnes..... | " | " | " | 20 | " | " | " | " | " |
| 11 | W. C. Beard | " | " | " | 7.5 | " | " | " | " | " |
| 12 | Chas. Ritchie..... | " | " | " | 15 | 7.5 | " | Sh. | " | " |
| 13 | J. C. Preston | " | " | " | 12 | 7.6 | " | " | " | " |
| 14 | Sato Coal & Mining Co. No. 1 | Sato..... | Sato..... | S | 35 | 6 | 2 | " | " | " |
| 15 | M'ysboro B. M. C. Co. No. 1 | " | Murphysboro. | " | 49 | 6.3 | 0.5 | " | " | " |
| 16 | Argus & Barton..... | " | Sato..... | L | 10 | 6 | " | Sl. | " | " |
| 17 | James & Henson | " | " | " | 10 | 6 | " | " | " | " |
| 18 | Wining Coal Mining Co..... | " | " | " | " | 3.6 | " | " | " | " |
| 19 | B. M. C. & C. Co..... | Desoto..... | Desoto..... | S | 60 | 9 | 6 | Sh. | " | " |
| 20 | Henry King | Campbell Hill | Campbell Hill | L | " | 3 | " | D. | " | " |
| 21 | George Jubart..... | Ora..... | Ora..... | " | " | 3.6 | " | " | " | " |
| 22 | T. L. Bailey..... | Makanda..... | Makanda..... | " | 85 | 3 | " | Sh. | " | " |
| 23 | M. V. M. & Mfg. Co..... | Hallidayboro. | Hallidayboro. | S | 166 | 8 | 18 | " | " | " |
| Totals (23 mines)..... | | | | | | | | | | |
| Averages | | | | | | | 95.00 | | | |

Jefferson County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | Fatal. | Non-fatal. | | | | | | | | |
| 1 | 48 | 48 | 6 | 6 | 3 | M. | 100 | 1 | 2 | 10,000 | 6,200 | 3,800 | \$1 00 | 125 | \$0 60 | 300 | |
| 2 | 5 | 2 | ..... | ..... | ..... | W. | ..... | ..... | ..... | 100 | 100 | ..... | 1 50 | 125 | ..... | 2 | |
| | 53 | 50 | 6 | 6 | 3 | ..... | ..... | 1 | 2 | 10,100 | 6,300 | 3,800 | ..... | ..... | ..... | 302 | |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$1.00 | 125 | ..... | ..... |  |

Jackson County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | | SUPPLIES. | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | Fatal. | Non fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 19 | 14 | 4 | 4 | ..... | S. M. | ..... | ..... | 1 | 25,148 | 17,604 | 7,544 | \$1 10 | 275 | \$0 50 | 225 | |
| 2 | 39 | 38 | 10 | 10 | ..... | ..... | ..... | ..... | 1 | 39,465 | 28,688 | 9,777 | 1 15 | 135 | 50 | 450 | |
| 3 | 48 | 46 | 10 | 10 | ..... | ..... | ..... | ..... | 1 | 53,095 | 39,837 | 13,258 | 1 15 | 250 | 50 | 500 | |
| 4 | 150 | 150 | 12 | 12 | ..... | ..... | ..... | ..... | 2 | 100,515 | 55,561 | 44,954 | 1 15 | 156 | 50 | 520 | |
| 5 | 224 | 224 | 20 | 20 | ..... | ..... | ..... | ..... | 2 | 174,629 | 97,231 | 77,398 | 1 15 | 308 | 50 | 1,600 | |
| 6 | 84 | 84 | 17 | 17 | ..... | ..... | ..... | ..... | 1 | 79,313 | 50,939 | 28,374 | 1 15 | 162 | 50 | 746 | |
| 7 | 26 | 16 | 5 | 4 | ..... | W. | ..... | ..... | ..... | 17,985 | 6,245 | 11,740 | 1 00 | 313 | 50 | 50 | |
| 8 | 14 | 5 | 2 | 1 | ..... | ..... | 100 | ..... | ..... | 2,673 | 1,960 | 713 | 1 00 | 200 | 40 | 20 | |
| 9 | 5 | 1 | 1 | 1 | ..... | ..... | ..... | ..... | ..... | 2,500 | 1,800 | 700 | 1 00 | 149 | 50 | 90 | |
| 10 | 3 | 3 | 1 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 00 | ..... | ..... | 16 | |
| 11 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 00 | ..... | ..... | ..... |  |
| 12 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 00 | ..... | ..... | ..... |  |
| 13 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 00 | ..... | ..... | ..... |  |
| 14 | 40 | 40 | 5 | 5 | 3 | M. | ..... | ..... | ..... | 20,970 | 1,663 | 19,307 | 1 80 | 177 | 60 | 875 | |
| 15 | 44 | 21 | 5 | 4 | ..... | S. M. | ..... | ..... | ..... | 10,000 | 7,000 | 3,000 | 1 00 | 111 | 60 | 350 | |
| 16 | 3 | ..... | ..... | ..... | ..... | W. | ..... | ..... | ..... | 625 | ..... | ..... | 1 00 | ..... | ..... | 32 | |
| 17 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 300 | ..... | ..... | 1 00 | 75 | ..... | 10 | |
| 18 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 | |
| 19 | 100 | 70 | 12 | 12 | 2 | S. M. | ..... | 1 | ..... | 64,750 | 52,876 | 11,874 | 65 | 148 | 60 | 2,000 | |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 | |
| 21 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 1 20 | 60 | ..... | 8 | |
| 22 | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | |
| 23 | 180 | 147 | 20 | 18 | 5 | M. | ..... | ..... | 5 | 180,316 | 111,262 | 69,054 | 70 | 220 | 60 | 5,600 | |
| | 996 | 878 | 124 | 120 | 10 | ..... | ..... | 2 | 11 | 771,384 | 448,012 | 297,693 | \$0 97 | ..... | ..... | 12,240 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 176 | ..... | ..... |  |

Johnson County—Seventh District—1896.

[illegible]

Perry County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D-Ts | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|---|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|-------|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 125 | 91 | 16 | 16 | 7 | M. | 62 | 1 | 2 | 80,000 | 52,000 | 28,000 | 80 75 | 175 | 80 | 50 | 2,150 |
| 2 | 93 | 73 | 10 | 10 | 4 | .. | 63 | .. | 5 | 60,000 | 36,000 | 24,000 | 75 | 150 | 50 | 1,500 | |
| 3 | 66 | 64 | 19 | 10 | 3 | .. | 60 | .. | 1 | 109,000 | 100,000 | .. | 65 | 260 | 50 | 2,500 | |
| 4 | 39 | 34 | 9 | 9 | 1 | .. | 60 | .. | 1 | 12,340 | 10,828 | 1,512 | 70 | 130 | 40 | 449 | |
| 5 | 112 | 80 | 20 | 15 | 5 | .. | 60 | .. | 3 | 67,844 | 50,883 | 16,961 | 80 | 126 | 40 | 1,797 | |
| 6 | 140 | 84 | 11 | 11 | .. | .. | 60 | .. | 3 | 72,309 | 57,890 | 14,419 | 65 | 140 | 40 | 1,900 | |
| 7 | 38 | 39 | 7 | 7 | .. | .. | 100 | .. | 1 | 21,726 | 15,724 | 6,002 | 70 | 199 | 40 | 678 | |
| 8 | 80 | 65 | 12 | 11 | .. | .. | 60 | .. | 3 | 32,976 | 23,514 | 9,422 | 80 | 64 | 40 | 872 | |
| 9 | 1 | 1 | 1 | 1 | .. | W. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| 10 | 4 | 1 | 1 | 1 | .. | .. | .. | .. | .. | 1,322 | 182 | 1,140 | 1 25 | 150 | 50 | 40 | |
| 11 | 2 | 2 | 1 | 1 | .. | .. | .. | .. | .. | 509 | 500 | .. | 1 00 | 100 | .. | 12 | |
| 12 | 126 | 125 | 23 | 23 | 6 | M. | 60 | .. | 1 | 99,809 | 58,462 | 41,347 | 75 | 167 | 40 | 2,800 | |
| 13 | 58 | 37 | 9 | 9 | .. | S.-M. | .. | .. | .. | 39,500 | 28,317 | 11,183 | 65 | 186 | 40 | 800 | |
| 14 | 48 | 36 | 7 | 7 | 2 | .. | .. | .. | .. | 39,178 | 29,178 | 1,000 | 65 | 194 | 40 | 1,200 | |
| 15 | 26 | 18 | 3 | 3 | .. | .. | 100 | .. | 1 | 12,000 | 10,000 | 2,000 | 65 | 120 | 40 | 400 | |
| 16 | 25 | 17 | 3 | 3 | .. | .. | 100 | .. | .. | 11,000 | 9,000 | 2,000 | 65 | 120 | 40 | 400 | |
| 17 | 29 | 20 | 6 | 6 | .. | .. | 100 | .. | .. | 14,672 | 13,335 | 1,337 | 57 1/2 | 180 | 50 | 500 | |
| 18 | 6 | 4 | 2 | 2 | .. | W. | 100 | .. | .. | 2,998 | 2,908 | .. | 1 00 | 200 | 40 | 102 | |
| 19 | 5 | 2 | 1 | 1 | .. | .. | .. | .. | .. | 1,931 | 1,931 | .. | 1 00 | 200 | .. | 65 | |
| 20 | 5 | 2 | 1 | 1 | .. | .. | .. | .. | .. | 1,809 | 1,800 | .. | 1 00 | 200 | .. | 40 | |
| 21 | 25 | 25 | 4 | 4 | .. | S.-M. | .. | .. | .. | 27,000 | 18,000 | 9,000 | 62 1/2 | 200 | 60 | 600 | |
| 22 | 2 | 2 | 1 | 1 | .. | .. | .. | .. | .. | 550 | 300 | 250 | 1 00 | 135 | .. | 15 | |
| 23 | 2 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 00 | .. | .. | 5 | |
| 24 | 51 | 47 | 9 | 9 | .. | S.-M. | .. | .. | 1 | 36,142 | 7,000 | 29,142 | 63 | 305 | 50 | 900 | |
| .. | 1,099 | 865 | 167 | 161 | 33 | .. | .. | 2 | 24 | 726,507 | 527,792 | 198,715 | .. | .. | .. | 19,935 | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 80.716 | 162 | \$0.444 | .. | |

Randolph County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|
| | | | | Shipping or local Mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. |
| 1 | V. & G. Coal Co., Eden No. 1 | Sparta | Sparta | S. | 140 6 | 8 | Sh. | P. R. | H. | |
| 2 | Boyd Coal & Coke Co., No. 1 | " | " | " | 80 6 | 4 | " | " | " | " |
| 3 | George F. Gerlach | " | " | L. | 35 5 6 | 2.50 | " | " | " | " |
| 4 | Coulterville Mining Co. | Coulterville .. | Coulterville .. | S. | 370 6 | 2.50 | " | " | " | " |
| 5 | Tilden Mining Co. | Tilden | Tilden | " | 180 6 | 2 | " | " | " | " |
| 6 | Wm. Goalby & Sons, No. 1. | Percy | Percy | " | 70 6 | 1.50 | " | " | " | " |
| 7 | No. 2. | " | " | " | 95 4 10 | 1 | " | " | " | " |
| 8 | Wm. Barard | " | Chester | " | 82 6 | 1.33 | " | " | " | " |
| 9 | Little Muddy Coal Co. | " | Percy | " | 65 6 | 3 | " | " | " | " |
| 10 | John Myers | " | " | L. | 15 6 | .01 | " | " | " | " |
| 11 | Dietric Stramy | " | " | " | 20 6 | .50 | " | " | " | " |
| 12 | Randolph C. & C. Co., No. 1 | " | St. Louis, Mo. | S. | 30 5 | 2 | " | " | " | " |
| 13 | No. 2 | Rosboro | " | " | 32 6 | 5 | " | " | " | " |
| 14 | No. 3 | Sparta | " | " | 37 5 2 | .50 | " | " | " | " |
| 15 | George Stanway | Blair | Blair | L. | 22 5 | .33 | " | " | " | " |
| 16 | Enterprise Coal Co. | " | " | " | 35 6 | .33 | " | " | " | " |
| Total (16 mines) | | | | | | 33 | | | | |
| Averages | | | | | | | | | | |

Randolph County, 1896--Concluded.

| Number of mine. | TOTAL NUMBER OF PERONS EM- PLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed un- der ground. | Wages, how paid. Weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner re- ceives pay. | AC- CI- DENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|-----------------|--|---------|-----------------|---------|---|--|---|--|---|--|--|---|-------------------------|---|-----------|-------|
| | Under ground. | | Above ground | | | | | Total number of tons of coal produced. All grades. | Total number of tons of lump coal pro- duced. | Total number of tons of other grades pro- duced. | Average value of lump coal at mine. | Number of days of ac- tual operation of mine | Cost of oil per gallon. | Kegs of powder used during the year. | | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 65 | 41 | 8 | 5 | 1 | S.-M. | 80 | 2 | 2 | 42,700 | 12,080 | 30,620 | \$0 60 | 120 | \$0 60 | 1,833 |
| 2 | 42 | 30 | 5 | 5 | ..... | ..... | 80 | ..... | ..... | 29,913 | ..... | ..... | ..... | 217 | 50 | 1,160 |
| 3 | 5 | 3 | 1 | 1 | ..... | M. | ..... | ..... | 1 | 1,400 | 1,400 | ..... | 1 00 | 180 | 50 | 35 |
| 4 | 41 | 35 | 7 | 7 | ..... | ..... | ..... | ..... | 1 | 24,948 | 2,680 | 22,268 | 1 00 | 200 | 80 | 680 |
| 5 | 18 | 12 | 3 | 2 | ..... | ..... | 90 | ..... | 1 | 14,600 | 14,000 | 600 | 70 | 175 | 60 | 400 |
| 6 | 24 | 19 | 4 | 3 | ..... | S.-M. | 80 | ..... | ..... | 10,614 | 9,814 | 800 | 65 | 226 | 40 | 346 |
| 7 | 7 | 7 | 7 | 7 | ..... | ..... | 80 | ..... | ..... | 3,292 | 2,992 | 300 | 70 | 102 | 40 | 126 |
| 8 | 17 | 10 | 2 | 2 | ..... | ..... | 100 | ..... | ..... | 7,250 | 4,150 | 3,100 | 75 | 95 | 50 | 315 |
| 9 | 39 | 33 | 3 | 3 | ..... | ..... | ..... | 1 | ..... | 13,984 | 11,889 | 2,095 | 55 | 127 | 50 | 495 |
| 10 | ..... | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 150 | 100 | 50 | 1 00 | 45 | ..... | 5 |
| 11 | 2 | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1,000 | 1,000 | ..... | 85 | 150 | ..... | 27 |
| 12 | 42 | 29 | 4 | 3 | ..... | M. | 80 | 1 | ..... | 16,290 | 12,960 | 3,240 | 75 | 90 | 40 | 430 |
| 13 | 47 | 31 | 16 | 15 | 1 | ..... | ..... | ..... | 1 | 30,000 | 23,000 | 7,000 | 75 | 135 | 50 | 1,270 |
| 14 | 12 | 9 | 3 | 2 | ..... | ..... | 70 | ..... | ..... | 2,800 | 2,000 | 800 | 75 | 60 | 40 | 115 |
| 15 | 5 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 2,000 | 2,000 | ..... | 75 | 190 | ..... | 50 |
| 16 | 5 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1,987 | 1,987 | ..... | 75 | 190 | ..... | 45 |
| | | | | | | | | | | 202,838 | 102,052 | 70,873 | ..... | ..... | ..... | 7,332 |
|  |  |  |  |  |  |  |  |  |  | ..... | ..... | ..... | \$0 70.2 | 144 | ..... | ..... |

Saline County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post-office address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|------------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | Davenport Coal Co..... | Ledford..... | Harrisburg... | S. | 144 8 | 5 | Sh. | R. P. | H. | |
| 2 | Wm. Butler..... | New Castle... | New Castle... | L. | 62 3.4 | 12 | D. | " | " | |
| 3 | John Hawkins..... | " | " | " | 12 3 | " | " | " | " | |
| 4 | John Hawkins..... | " | " | " | 27 3.4 | 1 | Sl. | " | " | |
| 5 | Warfield & Reilly..... | Ledford..... | Ledford..... | " | 20 4.8 | " | " | " | " | |
| 6 | E. E. Hubbard..... | " | " | " | 23 4.8 | " | " | " | " | |
| 7 | John A. Moody, Monro M..... | Harrisburg... | Harrisburg... | " | 13 4.10 | 5 | " | " | " | |
| 8 | J. W. Ingram..... | " | " | " | 21 4.10 | 5 | " | " | " | |
| 9 | Noah Stiff..... | S. America | S. America | " | 15 5 | 1 | D. | " | " | |
| 10 | H. P. Sittig..... | Stonefort... | Stonefort... | " | 40 3.4 | 5 | " | " | " | |
| 11 | Reily & Hall..... | Cottage G. Tp | Equality..... | " | 35 4.6 | .05 | " | " | " | |
| 12 | Slaters & Lloyd..... | " | " | " | 25 4.6 | 1 | " | " | " | |
| 13 | F. M. Jarell..... | " | " | " | 20 4 | .05 | " | " | " | |
| 14 | J. J. Berry & Bro..... | " | " | " | 18 4 | .05 | " | " | " | |
| 15 | Brightner & Mossman..... | " | " | " | 30 4 | .33 | Sl. | " | " | |
| 16 | Eldorado Coal Co..... | Brooklyn..... | Eldorado..... | " | 50 4.6 | .5 | " | " | " | |
| Totals (16 mines)..... | | | | | | 10.18 | | | | |
| Averages..... | | | | | | | | | | |

Washington County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Post office address of business office of Company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | | |
|-----------------------|---|-------------------|--|---|--|---------------------------------------|---|------------------------|--------------------------------|-------------------------------|-------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall, or room and pillar. | Hand or machine mine or both. | |
| 1 | Hugh Murray..... | Nashville..... | Nashville..... | S. | 425 | 5.6 | 6 | Sh. | R. | P. | H. |
| 2 | Geo. Breuggemann..... | Du Boise..... | Du Boise..... | : | 376 | 5.5 | 1 | : | : | : | : |
| 3 | Adam Kuhn..... | Okawville.... | Okawville.... | : | 296 | 5.6 | 2 | : | : | : | : |
| 4 | Okawville W. S. C. Co..... | Okawville.... | Okawville.... | L. | 320 | 5.6 | .5 | : | : | : | : |
| Totals (4 mines)..... | | | | | | | | 8.2 | ..... | ..... | ..... |
| Averages..... |  |  |  |  |  |  |  |  | ..... | ..... | ..... |

Saline County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC-CI-D'TS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | | |
|-----------------|---|---------|---------------|---------|--|---|---|------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|--|
| | Under ground. | | Above ground. | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. | |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | | |
| 1 | 46 | 39 | 4 | 4 | 1 | S. M. | 66 | 1 | 32,288 | 4,962 | 27,326 | \$1 00 | 285 | \$0 80 | 820 | | |
| 2 | 31 | 23 | 5 | 5 | 1 | S. M. | 66 | 1 | 7,957 | 5,290 | 2,667 | 1 00 | 210 | 80 | 312 | | |
| 3 | 31 | 12 | | | | | | | 40 | 30 | 10 | 1 00 | 15 | 80 | 1 | | |
| 4 | 33 | 33 | | | | | 66 | | 200 | 200 | | 1 00 | 100 | 65 | 15 | | |
| 5 | 12 | 12 | | | | | | | 600 | 600 | | 1 00 | 120 | | 15 | | |
| 6 | 12 | 12 | | | | | | | 600 | 600 | | 1 00 | 120 | | 15 | | |
| 7 | 10 | 7 | 1 | 1 | 1 | W. | 66 | | 750 | 750 | | 1 00 | 200 | 65 | 20 | | |
| 8 | 7 | 3 | 1 | 1 | 1 | | 66 | | 1,000 | 1,000 | | 1 00 | 250 | 65 | 25 | | |
| 9 | 6 | | 1 | 1 | 1 | | 66 | | 200 | 200 | | 875 | 90 | | 5 | | |
| 10 | 3 | 3 | | | | | | | 1,100 | 700 | 400 | 1 00 | 125 | | 17 | | |
| 11 | 2 | 2 | | | | | | | 200 | 200 | | 1 00 | 100 | 60 | 5 | | |
| 12 | 1 | 1 | | | | | 66 | | 400 | 400 | | 1 00 | 80 | 60 | 9 | | |
| 13 | 3 | 2 | | | | | | | 160 | 160 | | 75 | 55 | 60 | 6 | | |
| 14 | 2 | 2 | | | | | | | 200 | 200 | | 1 00 | 80 | 60 | 4 | | |
| 15 | 3 | 1 | 1 | 1 | | | | | 360 | 360 | | 1 00 | 100 | | 5 | | |
| 16 | 4 | 3 | 1 | 1 | | | 66 | | 480 | 480 | | 1 00 | 60 | 60 | 14 | | |
| .. | 127 | 98 | 14 | 14 | 2 | .. | .. | 1 | 46,535 | 16,132 | 30,403 | .. | .. | .. | 1,288 | | |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | \$0 995 | .. | \$0 668 | .. | | |

Washington County, 1896—Concluded.

| Number of mine. | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed underground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit car for which miner receives pay. | AC-CI-D TS | | PRODUCTS AND VALUES. | | | | | STPLIES. | |
|-----------------|---|---------|--------------|---------|--|---|---|------------|------------|--|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced. All grades. | Total number of tons of lump coal produced. | Total number or tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 44 | 33 | 6 | 5 | 1 | S. M. | 100 | 2 | 21,440 | 5,976 | 15,464 | \$0 85 | 155 | \$0 70 | 760 | |
| 2 | 5 | 4 | 2 | 2 | | M. | 60 | | 10,000 | 8,000 | 2,000 | 65 | 150 | 50 | 3 | |
| 3 | | | | | | W. | | | | | | | | | | |
| 4 | 30 | 25 | 5 | 5 | 2 | M. | 100 | 1 | 1,920 | 1,920 | | 1 00 | 125 | 80 | 1,000 | |
| .. | 79 | 65 | 13 | 15 | 3 | | | 1 | 33,360 | 15,836 | 17,464 | | | | 1,838 | |
| .. | | | | | | | | | | | | \$0 767 | 143 | \$0 70 | | |

Williamson County—Seventh District—1896.

| Number of mine. | Name of firm, company or person operating mine, and designation of shaft. | Location of mine. | Postoffice address of business office of company. | PHYSICAL CHARACTER OF PLANT, SYSTEM OF WORKING, ACREAGE, ETC. | | | | | | |
|-------------------------|---|-------------------|---|---|--|---------------------------------------|---|------------------------|-------------------------------|-------------------------------|
| | | | | Shipping or local mine. | Depth of coal below the surface in feet. | Thickness of seam in feet and inches. | Estimated number of acres worked out during the year. | Drift, slope or shaft. | Long wall or room and pillar. | Hand or machine mine or both. |
| 1 | St. L. & B. M. C. Co., Dawes | Carterville ... | Carbondale... | Sh. | 99 | 9.2 | 20 | Sh. | R. P. | H. |
| 2 | Carterville Coal Co., Burr.. | " | St. Louis, Mo. | " | 60 | 10 | 6.50 | " | " | " |
| 3 | John A. Young | " | Carterville ... | L. | 21 | 9.12 | .33 | Sl. | " | " |
| 4 | Liddle & Warren | " | " | " | 30 | 9.5 | .25 | Sh. | " | " |
| 5 | John Reid | " | " | " | 40 | 8.6 | .25 | " | " | " |
| 6 | Pittsb'g P. G. Co. | Fredonia | Fredonia I. | Sh. | 65 | 8 | 10 | " | " | B. |
| 7 | Talby & Lawson | " | " | L. | 30 | 6 | .50 | " | " | H. |
| 8 | Johnston & Read | Marion | Marion | Sh. | 60 | 9 | 3 | Sl. | " | " |
| 9 | S. A. Campbell | Spillertown .. | " | " | 20 | 9 | 1.50 | " | " | " |
| 10 | Williamson Co. Coal Co. | Johnston City | St. Louis, Mo. | " | 150 | 8.4 | .50 | Sh. | " | " |
| 11 | E. E. Ensminger | Crab Orchard. | Crab Orchard | L. | " | 5.6 | .25 | D. | " | " |
| 12 | Frank Bowen | " | " | " | " | 5.6 | .10 | " | " | " |
| 13 | W. A. Chaney | " | " | " | " | 5 | .25 | " | " | " |
| 14 | Geo. Nealy | Absher | Absher | " | " | 5 | .25 | " | " | " |
| 15 | Robt. Schreiver | " | " | " | 7 | 5 | .20 | St. | " | " |
| 16 | Wm. Bauwick | " | " | " | 7 | 5 | .20 | " | " | " |
| 17 | Wm. Read | " | " | " | 7 | 5 | .10 | " | " | " |
| 18 | Grant Ritche | " | " | " | 7 | 3.6 | .10 | " | " | " |
| 19 | Len Ritche | " | " | " | 10 | 7 | .20 | " | " | " |
| 20 | E. W. Motsinger | " | " | " | 7 | 7 | .20 | " | " | " |
| 21 | Wm. Allen | Marion | Marion | " | 6 | 6 | .10 | " | " | " |
| 22 | Jasper Read | " | " | " | 8 | 8 | ..... | " | " | " |
| Totals (22 mines) | | | | | | | 44.78 | | | |
| Averages | | | | | | | | | | |

Williamson County, 1896—Concluded.

| Number of mine | TOTAL NUMBER OF PERSONS EMPLOYED IN AND ABOUT MINE. | | | | Number of boys under 16 years of age employed under ground. | Wages, how paid, weekly, semi-monthly or monthly. | Per cent. gross contents of pit-car for which miner receives pay. | AC- CIDENTS | | PRODUCTS AND VALUES. | | | | | SUPPLIES. | |
|----------------------|---|---------|--------------|---------|---|---|---|-------------|------------|---|---|--|-------------------------------------|---|-------------------------|--------------------------------------|
| | Under ground. | | Above ground | | | | | Fatal. | Non-fatal. | Total number of tons of coal produced—all grades. | Total number of tons of lump coal produced. | Total number of tons of other grades produced. | Average value of lump coal at mine. | Number of days of actual operation of mine. | Cost of oil per gallon. | Kegs of powder used during the year. |
| | Winter. | Summer. | Winter. | Summer. | | | | | | | | | | | | |
| 1 | 160 | 160 | 29 | 29 | 3 | S. M. | ..... | 3 | ..... | 218,696 | 82,348 | 136,348 | \$0 793 | 217 | \$0 50 | 6,631 |
| 2 | 102 | 102 | 8 | 8 | ..... | ..... | ..... | ..... | ..... | 46,298 | 9,262 | 37,036 | 85 | 80 | 50 | 1,000 |
| 3 | 3 | 3 | 1 | 1 | ..... | W. | 100 | ..... | ..... | 2,250 | 2,000 | 250 | 1 00 | 150 | 50 | 50 |
| 4 | 4 | 4 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 2,000 | ..... | ..... | 1 00 | 180 | ..... | 45 |
| 5 | 4 | 4 | 1 | 1 | ..... | ..... | 100 | ..... | ..... | 2,000 | ..... | ..... | 1 00 | 180 | ..... | 45 |
| 6 | 79 | 59 | 11 | 11 | 5 | S. M. | ..... | ..... | ..... | 77,871 | 19,668 | 58,203 | 1 90 | 180 | 60 | 1,731 |
| 7 | 5 | 3 | 1 | 1 | ..... | W. | 100 | ..... | ..... | 3,000 | 2,400 | 600 | 1 00 | 190 | 60 | 80 |
| 8 | 71 | 51 | 7 | 7 | ..... | M. | ..... | ..... | ..... | 75,000 | 40,000 | 35,000 | 80 | 250 | 50 | 2,500 |
| 9 | 27 | 22 | 4 | 4 | ..... | ..... | ..... | ..... | ..... | 8,591 | 5,155 | 3,436 | 90 | 68 | 50 | 145 |
| 10 | 12 | 26 | 4 | 4 | ..... | ..... | ..... | ..... | ..... | 5,000 | 4,000 | 1,000 | 1 00 | 95 | 50 | 200 |
| 11 | 5 | 2 | 1 | 1 | ..... | W. | 80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 65 |
| 12 | 2 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 |
| 13 | 3 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 |
| 14 | 5 | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 2,100 | 1,800 | 300 | 1 00 | 120 | ..... | 46 |
| 15 | 4 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 16 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 17 | 3 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 18 | 4 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 19 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 21 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,600 | 1,600 | ..... | 1 00 | 140 | ..... | 5 |
| 22 | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| .. | 505 | 449 | 69 | 67 | 8 | ..... | ..... | 3 | ..... | 444,406 | 168,233 | 272,173 | ..... | ..... | ..... | 12,591 |
| .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$0 828 | 159 | ..... | ..... |



APPENDIX.

LIST OF MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY.

| Names. | Address. |
|-----------------------|---------------|
| Adams, Chas. T. | Rosboro |
| Adams, J. M. | Wanlock |
| Ainsworth, Samuel S. | Taylorville |
| Ainsworth, Samuel Jr. | Taylorville |
| Ainsworth, Thomas | Taylorville |
| Aitken, James | Streator |
| Anderson, W. | Virden |
| Anderson, W. C. | Elmwood |
| Anderson, James | Ladd |
| Andreas, Aug. | Belleville |
| Angei, Hirman | Glenn |
| Angell, Charles | Beleville |
| Apblett, W. R. | Springfield |
| Atkinson, Edward | Streator |
| Atkinson, W. | Braceville |
| Armstrong, T. J. | Spring Valley |
| Archer, John | Danville |
| Archibald, David | Freeburg |
| Ax, John | Edwardsville |
| Axford, Thomas | Petersburg |
| Baker, Gustav | Streator |
| Back, Thomas | Cable |
| Bailey, William | Athens |
| Bailey, Joseph | Du Quoin |
| Barghart, Henry | Lincoln |
| Barlow, Henry | Johnson City |
| Barnett, Oliver | Bryant |
| Barron, James | Cantrall |
| Bashong, A. W. | Danville |
| Barwell, John | Cutler |
| Bates W. H. | Winchester |
| Baumer, Fred | Marquette |
| Bauer, Valentine | Hornsby |
| Baxter, William | Ladd |
| Beadle, Elisha | Kewanee |
| Beattie, John | Danville |
| Beatty, James | Mascoutah |
| Beatty, James H. | Mascoutah |
| Bell, Richard | Gillespie |
| Bell, William | Streator |
| Belger, John | Nilwood |
| Bengston, John Alfred | Galva |
| Bennett, James | Carbondale |
| Bennett, John | Mt. Vernon |
| Berkstresser, W. A. | Coulterville |
| Betts, Joseph | Belleville |
| Betz, Charles | DuQuoin |
| Bevard, John J. | Kinnundy |
| Beveridge, David | Sorento |
| Biggs, Sarnbel | Clark City |
| Biggins, James | Sorento |
| Bingham, Robt | O'Fallon |
| Birtin, Henry | Pana |
| Birtley, W. P. | Mt. Olive |
| Blake, Alfred | Hanna City |
| Blair, Gus | Percy |
| Boettcher, P. J. | New Athens |
| Boston, G. W. | Marion |
| Boston, James | DuQuoin |
| Bottomley, Edward | Oglesby |

Certificates of Competency.—Continued.

| Names. | Address. |
|--------------------|-------------------|
| Bottomly, John | Oglesby |
| Bowers, Robert | Wenona |
| Bowie, James | Braidwood |
| Brackett, James A. | Greenville |
| Brandeburger, F. | Belleville |
| Brockhouse, Samuel | Sparland |
| Brigham, Wm. | O'Fallon |
| Brown, John | Glen Carbon |
| Brown, W. J. | Carbon Hill |
| Brown, F. M. | Farmington |
| Browning, J. M. | DuQuoin |
| Brueggeman, George | Belleville |
| Buhner, John | St. John |
| Buhner, Benj. | Centralia |
| Bundy, John | Streator |
| Burke, George | Peru |
| Burkhart, J. B. | Mt. Olive |
| Cainns, John | Moweaqua |
| Calheart, Mathew | Tilden |
| Cameron, David | Pana |
| Campbell, Wm. | Sandoval |
| Canfield, R. A. | Madisonville, Ky. |
| Carson, J. H. | O'Fallon |
| Carter, Charles | Birkner |
| Carter, George | Birkner |
| Carroll, John | O'Fallon |
| Chalderton, John | Birkner |
| Cherry, John T. | Seatonville |
| Cherry, James | Seatonville |
| Checklin, David | Reed City |
| Chivers, Joseph | Spring Valley |
| Christie, Dave | Murphysboro |
| Church, Henry M. | Marissa |
| Clark, Martin | Decatur |
| Clark, Inintin | Braidwood |
| Clark, Thomas | Decatur |
| Clelland, Robert | Braidwood |
| Clifford, Michael | Kewanee |
| Coar, Firman | Worden |
| Collier, Frank J. | Bartonville |
| Collins, R. J. | O'Fallon |
| Condis, Malcoln | Spring Valley |
| Conity, Patrick | DuQuoin |
| Cooper, Charles | Nilwood |
| Cook, Robinson | Auburn |
| Conrad, William | Freeburg |
| Coston, George | Grape Creek |
| Cowell, Wm. | Assumption |
| Crane, John E. | Murphysboro |
| Craine, B. S. | Murphysboro |
| Crampton, Ed. | Murphysboro |
| Cranch, J. E. | Viriden |
| Crankshaw, Thomas | Grape Creek |
| Crankshaw, William | Decatur |
| Creighton, Robert | Braidwood |
| Cruikshanks, John | Farmington |
| Cruikshanks, Wm. | Middle Grove |
| Cryer, J. T. | Spring Valley |
| Cumming, A. B. | Sparland |
| Cumming, James P. | Sparland |
| Cumming, John P. | Braceville |
| Cumming, T. S. | Belleville |
| Cumming, D. H. | Gardner |
| Cunningham, T. | Carlinville |
| Cunningham, C. | Springfield |
| Daenzer, Anton | Glen Carbon |
| Dale, Henry | Murphysboro |
| Dale, John | Fredonia |
| Daniels, James | Belleville |
| Daniels, Samuel | Belleville |
| Dauney, Wm. | Lincoln |
| Davis, Caleb | Collinsville |
| Davis, J. H. | Cuba |
| Davis, Thomas | Dumfermline |
| Davis, P. J. | Perry |
| Davis, William | Litchfield |

Certificates of Competency.—Continued.

| Names. | Address. |
|--------------------|----------------|
| Davison, W. | DuQuoin. |
| Davidson, James. | Sparta. |
| Dawson, Richard. | Athens. |
| Deans, Henry. | Percy. |
| Denny, John J. | Springfield. |
| Devlin, Henry. | Toluca. |
| Devlin, Thomas. | Spring Valley. |
| Diamond, Peter. | DuQuoin. |
| Dick, Robert. | DuQuoin. |
| Dickenson, J. E. | Belleville. |
| Dickerson, J. S. | Westville. |
| Dixon, John S. | Pana. |
| Dodd, William. | Pottstown. |
| Dodge, H. W. | St. David. |
| Donahoe, Jas. | Carterville. |
| Donaldson, Wm. | Kangley. |
| Donaldson, J. W. | Peoria. |
| Douley, James. | Carterville. |
| Doughty, James. | Westville. |
| Dougherty, Dan. | Virginia. |
| Dowell, Thomas. | Muddy Valley. |
| Downing, T. | Briar Bluff. |
| Duddey, John. | Pana. |
| Dudek, John. | Kinnmundy. |
| Duffner, J. W. | Belleville. |
| Duncan, Charles. | Galva. |
| Dunlap, John. | Odin. |
| Durkin, Mike. | DuQuoin. |
| Edwards, S. E. | Centralia. |
| Edwards, Thomas. | Coalville. |
| Ehrnest, Frank A. | Wesley. |
| Eller, William. | Edwardsville. |
| Emery, Charles. | Danville. |
| Emery, Joseph. | Belleville. |
| English, Ralph. | Virden. |
| English, Thomas. | Streator. |
| Evans, George. | Lincoln. |
| Evans, John Mine. | LaSalle. |
| Evans, John Owen. | O'Fallon. |
| Evans, John O. | Caseyville. |
| Evans, William. | St. David. |
| Evans, John O. Jr. | Caseyville. |
| Fagan, Michael. | Spring Valley. |
| Fagan Patrick. | Decatur. |
| Fairley, James. | Cambridge. |
| Falsetti, John B. | Fairmount. |
| Farrand, Wm. | Springfield. |
| Fellows, Edward. | Streator. |
| Ferguson, John. | Chenoa. |
| Ferguson, Walter. | Braidwood. |
| Folker, John. | Danville. |
| Finfrock, M. M. | Pana. |
| Fleming, James. | Decatur. |
| Fleming, Jacob. | Kewanee. |
| Fletcher, John. | LaSalle. |
| Fletcher, John J. | Collinsville. |
| Fletcher, T. J. | Collinsville. |
| Fletcher, William. | Collinsville. |
| Fohl, Bernard. | Belleville. |
| Foley, Geo. | LaSalle. |
| Foley, W. E. | Mapleton. |
| Forsythe, Peter. | Centralia. |
| Forsythe, Robert. | Murphysboro. |
| Foster, W. | Lincoln. |
| Francis, T. S. | Braidwood. |
| Frazee, Wm. H. | Danville. |
| Franken, Benard. | Lincoln. |
| Freer, James. | Peoria. |
| Fritz, W. | Breese. |
| Gaffigan, W. | Petersburg. |
| Garrity, John. | Braidwood. |
| Gaul, Henry J. | Belleville. |
| Gibson, Mike. | Spring Valley. |
| Gilbert, Edw. | Niantic. |
| Giles, William. | Gillespie. |

Certificates of Competency.—Continued.

| Names. | Address. |
|-------------------------|----------------|
| Gilchrist, John W. | Gilchrist. |
| Gill, Philip. | Gilchrist. |
| Glass, William H. | Edwardsville. |
| Goalby, John T. | Belleville. |
| Goalby, Wm. H. | Percy. |
| Goddard, Ben. B. | DuQuoin. |
| Goddard, Wm. | DuQuoin. |
| Godler, Wm. | Cuba. |
| Golden, George. | Springfield. |
| Golden, William D. | Springfield. |
| Goodall, George. | Assumption. |
| Grabuck, R. H. | Staunton. |
| Graham, Hirman. | Virden. |
| Graham, John W. | Dunfermline. |
| Graham, Louis. | Jacksonville. |
| Graham, Wm. | Virden. |
| Gratz, Gottlieb. | Hornsbj. |
| Granlick Jul. M. | Belleville. |
| Grave, Peter. | Collinsville. |
| Gray, Thomas R. | Springfield. |
| Green, Arthur. | Braceville. |
| Green, Joseph. | Marissa. |
| Green, Robert. | Springfield. |
| Greenwood, J. R. | Edinburg. |
| Greenwood, Robt. | DuQuoin. |
| Groom, John. | Belleville. |
| Grosspitch, August. | Belleville. |
| Guiney, James Thompson. | Carbon Hill. |
| | |
| Haddeck, Joseph Jr. | Sherrard. |
| Haddow, Theo. | Pana. |
| Hagerton, Jos. | St. John. |
| Hale, George. | Ladd. |
| Hall, Matthew. | Braceville. |
| Hainswell, Daniel. | Lenzburg. |
| Hamilton, T. | Nashville. |
| Hanley, John H. | Petersburg. |
| Harding, Enos. | Birkner. |
| Harding, Joe H. | Troy. |
| Harding, Thomas T. | Danville. |
| Harding, William. | Lebanon. |
| Harkes, William. | Coal City. |
| Harrison, Earnest. | Streator. |
| Harrison, John. | Virden. |
| Harrison, John. | Odin. |
| Harrison, William. | Murphysboro. |
| Harrop, James T. | Seatonville. |
| Hartman, Frank. | Murphysboro. |
| Hauck, Fred. | Glen Carbon. |
| Hays, Henry. | Streator. |
| Hebenstreet, B. | Staunton. |
| Hebenstreet, J. P. | Staunton. |
| Helfrick Henry. | Rentchler. |
| Henderson, J. | Coal City. |
| Henderson, Thomas. | DuQuoin. |
| Henley, Richard. | Niantic. |
| Heppard, George. | Tilden. |
| Henry, Frederick. | Kewanee. |
| Henry, John T. | Pontiac. |
| Henry, Philip. | Kewanee. |
| Herivt, James. | Spring Valley. |
| Hetherington, B. M. | LaSalle. |
| Hickey, John. | Springfield. |
| Hill, Marshall. | Cartersville. |
| Hillery, Edward. | Colcheste. |
| Hoffman, John. | DuQuoin. |
| Holmes, Thomas T. | Lincoln. |
| Huston, Robert. | S. arta. |
| Howell, Thomas H. | DuQuoin. |
| Howell, D. J. | DuQuoin. |
| Hoye, James. | Seatonville. |
| Hoys, Wm. | Braidwood. |
| Hudson, Thomas. | Etherly. |
| Hughes, James. | Braidwood. |
| Hughes, John. | Braidwood. |
| Hughes, H. J. | Braidwood. |
| Humme, J. A. | Litchfield. |
| Humme, J. A. | Hillary. |
| Hummer, Henry. | Breese. |
| Humphreys E. | Murphysboro. |

Certificates of Competency.—Continued.

| Names. | Address. |
|---------------------------|----------------------|
| Iberson, James..... | Athens..... |
| Issinghaus, Wm..... | Lebanon..... |
| Izatt, William..... | Litchfield..... |
| Jacobson, C. P..... | St. David..... |
| James, John..... | Mt. Olive..... |
| James, Jonah..... | Grape Creek..... |
| Jaques, William..... | Belleville..... |
| Jeffery, Peter..... | Cartersville..... |
| Jefford, Thos. Henry..... | Kingston..... |
| Jenkins, Alexander..... | Dunfermline..... |
| Jerremire, Wm. M..... | DuQuoin..... |
| John, Evans..... | Barclay..... |
| Jolley, Thos..... | Collinsville..... |
| Jones, Charles..... | Marissa..... |
| Jones, David..... | Marissa..... |
| Jones, D. S..... | Taylorville..... |
| Jones, Edward..... | Oglesby..... |
| Jones, John H..... | DuQuoin..... |
| Jones, Logan..... | Marissa..... |
| Jones, T. L..... | Ladd..... |
| Jones, Wm..... | Marissa..... |
| Jones, Wm. E..... | Sheffield..... |
| Jones, Wm. E..... | Wesley City..... |
| Jones, Wm. M..... | Tamaroa..... |
| Jordon, Robert..... | Streator..... |
| Kahle, Jos..... | Coulterville..... |
| Kane, Charles H..... | Dunfermline..... |
| Karrall, Edgar..... | Westerville..... |
| Keating, James A..... | Streator..... |
| Kear, A. H..... | Seatonville..... |
| Keay, John..... | Springfield..... |
| Keefer, Wm..... | Danville..... |
| Keil, Matthew..... | DuBois..... |
| Kelly, Bernard..... | Litchfield..... |
| Kelly, D. J..... | Carbon Hill..... |
| Kelly, Frank S..... | Centralia..... |
| Kelly, Joe George..... | Braidwood..... |
| Kelly, Robert D..... | Carbon Hill..... |
| Kempper, Henry..... | Gillespie..... |
| Kerr, John..... | Rushville..... |
| Kidd, Alexander..... | Oglesby..... |
| Kidd, Andrew..... | Wenona..... |
| Kidd, W..... | Ridge Prairie..... |
| Keel, Peter..... | DuBois..... |
| Kienbrish, D..... | Edwards Station..... |
| Kirby, James..... | Tallula..... |
| Kirchner, Frank..... | Belleville..... |
| Klingenfus, Otto..... | Mascoutah..... |
| Kloefer, Joseph..... | Coffeen..... |
| Knies, Henry..... | Breeze..... |
| Kramer, Anthony..... | Sato..... |
| Krantz, Jacob..... | Belleville..... |
| Kortkamp, Wm..... | Hillsboro..... |
| Laesser, Adolph..... | Belleville..... |
| Lander, Alex..... | Cartersville..... |
| Large, James M..... | Athens..... |
| Laws, James M..... | Cuba..... |
| Lawson, John..... | Mt. Olive..... |
| Lawson, Thos..... | Lake Creek..... |
| Lee, Robert..... | Cable..... |
| Lee, Shelcross G..... | Canton..... |
| Leming, W. C..... | Sato..... |
| Lettsum, Wm..... | Carbon Hill..... |
| Lettsum, Absalom..... | Carbon Hill..... |
| Lewis, James..... | Bryant..... |
| Lewis, William..... | Streator..... |
| Lindley, Richard..... | Ridge Prairie..... |
| Lindsay, John O..... | DuQuoin..... |
| Linsky, P. J..... | Braidwood..... |
| Lister, James H..... | Peters Station..... |
| Little, Thomas..... | Murphysboro..... |
| Lloyd, David..... | Pawnee..... |
| Lloyd, John..... | Danville..... |
| Lloyd, Thomas..... | Rentchler..... |
| Logan, Thomas J..... | Streator..... |

Certificates of Competency.—Continued.

| Names. | Address. |
|-------------------------|--------------------|
| Long, Thos..... | Wanlock..... |
| Lord, J. S..... | Springfield..... |
| Love, John W..... | Carbon Hill..... |
| Lowery, Frank..... | Orchard Mines..... |
| Lumaghi, Joseph..... | Collinsville..... |
| Lumaghi, Louis..... | Collinsville..... |
| Macke, P. H..... | Ledford..... |
| Malcolm, W. J..... | Braceville..... |
| Malloy, Henry E..... | Danville..... |
| Maltby, William..... | Braidwood..... |
| Marland, John..... | Wenona..... |
| Martin, George..... | Farmington..... |
| Mason, Eli..... | Springfield..... |
| Mason, Mark Jr..... | Sato..... |
| Massie, John G..... | Marissa..... |
| Matthews, W. S..... | Kinnmundy..... |
| Maxwell, Angus..... | Girard..... |
| Mays, John F..... | Catlin..... |
| Mendill, Duncan..... | LaSalle..... |
| Mendill, Duncan..... | Oglesby..... |
| Meehan, Patrick..... | Breeds..... |
| Meehan, Peter..... | Williamsville..... |
| Melburn, Thomas..... | Laceyville..... |
| Middleton, J. S..... | Sandoval..... |
| Michael, Lewis..... | Belleville..... |
| Michael, Otto..... | Belleville..... |
| Millard, John..... | Peoria..... |
| Miller, Hugh..... | Coal City..... |
| Miller, Wm..... | Lenzburg..... |
| Milem, John..... | Morris..... |
| Mills, T. J..... | Cable..... |
| Mitchell, Thomas J..... | Pana..... |
| Moffat, R. E..... | Percy..... |
| Moffatt, Thomas..... | Percy..... |
| Monaghan, Edw..... | Carbon Hill..... |
| Morland, John Jr..... | Minonk..... |
| Morrin, Jeremiah..... | Danville..... |
| Morrin, D. A..... | Danville..... |
| Morgan, George..... | Springfield..... |
| Morgan, Joseph..... | Streator..... |
| Morris, G. W..... | Lebanon..... |
| Morris, James H..... | Nashville..... |
| Morris, P. W..... | Roanoke..... |
| Morris, Wm. M..... | Belleville..... |
| Morrison, D. H..... | Girard..... |
| Morton, Andrew..... | Peoria..... |
| Morton, Robert..... | Virginia..... |
| Murphy, Jerry..... | Chatham..... |
| Murphy, John..... | Braidwood..... |
| Murphy, Patrick..... | Springfield..... |
| Murray, David..... | Sparta..... |
| Murray, Hugh..... | Sparta..... |
| Murray J. H..... | Galva..... |
| McAllister, Hector..... | Glenburn..... |
| McCleary, John..... | Greenview..... |
| McClary, James..... | Kangley..... |
| McClintock, John..... | Murphysboro..... |
| McFadden, Jos..... | Danville..... |
| McFarland, Wm. A..... | Edwardsville..... |
| McDonald, Robert..... | Streator..... |
| McDonald, William..... | Braidwood..... |
| McGeachin, Robt..... | Sorento..... |
| McGinnis, John..... | Springfield..... |
| McGonagil, John..... | Murphysboro..... |
| McGondigall, J..... | Marissa..... |
| McGunigal, Bernard..... | Spring Valley..... |
| McKean, Issac..... | Coal City..... |
| McKeown, Frank..... | Decatur..... |
| McKernan, James..... | Collinsville..... |
| McKellop, Donald..... | Carbon Hill..... |
| McLean, Robert..... | Girard..... |
| McManamane, P. F..... | Spring Valley..... |
| McMorrow, Michael..... | Farmington..... |
| McMath, George..... | Cartersville..... |
| McWurtie, A..... | Bryden..... |

Certificates of Competency.—Continued.

| Names. | Address. |
|---------------------------|---------------------|
| Nael, Reese..... | Kangley..... |
| Neal, Albert M..... | Murphysboro..... |
| Neal, William..... | Murphysboro..... |
| Needles, Thad..... | Glenburn..... |
| Neil, Peter..... | Bunker Hill..... |
| Newman, H. T..... | Springfield..... |
| Newsman, John..... | Kingston..... |
| Newsman, Richard..... | Orchard Mines..... |
| Newsom, Thomas..... | Kingston Mines..... |
| Nesbet, Chas..... | Millstadt..... |
| Nevenor, John..... | Birkner..... |
| Nicholson, Geo. A..... | Cuba..... |
| Nicholson, William..... | Cuba..... |
| Nold, Fred..... | Freeburg..... |
| Nordeen, Peter..... | Galva..... |
| O'Brien, John J..... | Marquette..... |
| O'Brien, Patrick J..... | Springfield..... |
| O'Brien, William..... | Pana..... |
| O'Leary, John..... | Marquette..... |
| Opie, William..... | Sandoval..... |
| Parker, Albert..... | Collinsville..... |
| Patchet, John..... | Murphysboro..... |
| Patterson, J. C..... | Assumption..... |
| Peart, John..... | Braidwood..... |
| Peter, J. D..... | Murphysboro..... |
| Petteer, Moses..... | Spring Valley..... |
| Pickett, Robert..... | Canton..... |
| Pieton, Joseph..... | Farmington..... |
| Pierce, William..... | Edinburg..... |
| Pool, Edgar..... | Murphysboro..... |
| Pother, George..... | Mapleton..... |
| Postle, John..... | Gardner..... |
| Powell, Albert A..... | Belleville..... |
| Powell, Evans..... | Murphysboro..... |
| Powell, David..... | Braceville..... |
| Powell, Thos. H..... | Belleville..... |
| Powell, Samuel..... | Pontiac..... |
| Prince, Thomas..... | Gillespie..... |
| Pryce, John M..... | Coal City..... |
| Pugh, Daniel..... | St. John..... |
| Pullen, Charles..... | Sorento..... |
| Purcell, Thomas..... | Forris..... |
| Raby, Robb A..... | Cuba..... |
| Radford, Thomas..... | Bloomington..... |
| Radford, Wm..... | Cuba..... |
| Rae, Robert..... | Braidwood..... |
| Ramsay, C. J..... | Mt. Olive..... |
| Ramsay, Richard..... | Braceville..... |
| Randle, Jesse..... | Birkner..... |
| Rauth, John..... | Belleville..... |
| Rasmussen, James E..... | O'Fallon..... |
| Reagan, Daniel..... | Muddy Valley..... |
| Redyard, Jno..... | Odin..... |
| Reed, Wm..... | Girard..... |
| Reese, Daniel..... | Danville..... |
| Reed, Andrew..... | Springfield..... |
| Reed, Jasper..... | Marion..... |
| Reilly, Edward..... | Danville..... |
| Reimann, John..... | Belleville..... |
| Rdmison, Henry..... | St. John..... |
| Reynolds, William..... | East Peoria..... |
| Rhodes, Jefferson..... | Pana..... |
| Richardson, Joel Sr..... | Litchfield..... |
| Ridgely, O. S..... | Mt. Olive..... |
| Ritchie Alexander Sr..... | Trenton..... |
| Ritchie, A. Jr..... | Trenton..... |
| Roberts, Ben D..... | Streator..... |
| Roberts, John D..... | Streator..... |
| Robinson Henry..... | Gardner..... |
| Rodden, John..... | Marseilles..... |
| Roddenburg, C..... | Belleville..... |
| Roe, Samuel..... | Oglesby..... |
| Roe, Thomas..... | Oglesby..... |
| Rogers, Josiah..... | Braidwood..... |
| Rollo, George..... | Pana..... |
| Rollo, John..... | Murphysboro..... |

Certificates of Competency.—Continued.

| Names. | Address. |
|-----------------------------|---------------------|
| Rollo, William..... | Pana..... |
| Ronold, Alex..... | Streator..... |
| Rookin, Thomas..... | Galesburg..... |
| Rosebottom, John T..... | Kingston..... |
| Ross, David..... | Oglesby..... |
| Rundle, John C..... | Colchester..... |
| Rutledge, Walton..... | Alton..... |
| Rutledge, J. J..... | Staunton..... |
| Ryan, James..... | Springfield..... |
| Ryan, Thomas W..... | N. Springfield..... |
| Sangrelet, Marshall..... | Glen Carbon..... |
| Sansome, Henry S..... | Streator..... |
| Sauer, Frederick..... | Belleville..... |
| Scaife, Wm..... | Virginia..... |
| Scholl, Joseph..... | Bartonville..... |
| Schram, Richard..... | Belleville..... |
| Scully, Wm. J..... | Glen Carbon..... |
| Scurrah, C. R..... | B. aceville..... |
| Secor, Frederick D..... | Odin..... |
| Senioe, George..... | St. John..... |
| Sevan, Chas..... | Danville..... |
| Sharp, Montgomery..... | Coal City..... |
| Sholeen, A. S..... | Galva..... |
| Shields, Frank D..... | Pana..... |
| Shuler, Chas..... | Gilchrist..... |
| Sidall, John S..... | Pana..... |
| Sidell, James..... | Streator..... |
| Simkin, Samuel..... | Coalville..... |
| Simmons, Thos..... | C nton..... |
| Simpson, Isaac..... | Glen Carbon..... |
| Simpson, Dave..... | Spring Valley..... |
| Simpson, George A..... | Mt. Olive..... |
| Simpson, George C..... | Springfield..... |
| Simpson, Wm. J..... | Collinsville..... |
| Simpsoa, Thomas..... | Collinsville..... |
| Simpson, Thomas..... | O'Fallon..... |
| Sisk, A. J..... | Equality..... |
| Skinner, Alexander..... | Diamond..... |
| Skinner, David..... | Diamond..... |
| Skinner, John..... | Diamond..... |
| Skinner, John..... | Astoria..... |
| Sloan, Edward C..... | Wesley City..... |
| Small, James..... | Middle Grove..... |
| Smethurst, Nathan..... | Spring Valley..... |
| Smith, A. M..... | Sandoval..... |
| Smith, David P..... | Dawson..... |
| Smith, Felix..... | Breese..... |
| Smith, George A..... | Sandoval..... |
| Smith, James L..... | Mt. Olive..... |
| Smith, James L..... | Riverton..... |
| Smith, Jas. P..... | Collinsville..... |
| Smith, Joseph..... | Muncie..... |
| Smith, T. J..... | Pana..... |
| Smith, William..... | Atheus..... |
| Smith, William G..... | Riverton..... |
| Smith, William J..... | Girard..... |
| Snedon, Richard..... | Virden..... |
| Sollenberger, H. C..... | Cantou..... |
| Springer, Albert R..... | Glen Carbon..... |
| Stachle, August..... | Belleville..... |
| Stanton, Wm. E..... | Colchester..... |
| Steel, Alexander..... | Collinsville..... |
| Steel, Daniel..... | Collinsville..... |
| Steel, James..... | Spring Valley..... |
| Steel, Neal..... | Centralia..... |
| Sterratt, James..... | Peoria..... |
| Stewart, D. G..... | Seatonville..... |
| Stockett, Howard..... | Springfield..... |
| Stockett, Lewis..... | Collinsville..... |
| Stockett, Thomas R. Jr..... | Collinsville..... |
| Stockman, W. H..... | DuQuoin..... |
| Storrie, Archibald..... | Marquette..... |
| Streble, George..... | Auburn..... |
| Strickland, John..... | Coal City..... |
| Sutton, Thomas..... | Mi lstadt..... |
| Swansburg, J. L..... | Danville..... |
| Swarthout, J. P..... | Peoria..... |

Certificates of Competency.—Concluded.

| Names. | Address. |
|--------------------------|--------------------|
| Tallman, John..... | Kangley..... |
| Taylor, Charles..... | Edwards..... |
| Taylor, Daniel..... | Edwards..... |
| Taylor, Henry..... | Belleville..... |
| Taylor, James..... | Edwards..... |
| Taylor, Joseph..... | Springfield..... |
| Taylor, Thomas..... | Springfield..... |
| Thom, Alexander..... | Coal City..... |
| Thom, James..... | S. lem..... |
| Thomas, J. R..... | Ladd..... |
| Thomas, T. J..... | Collinsville..... |
| Thomas, Reese..... | Spaulding..... |
| Thomas, Richard..... | Ridge Prairie..... |
| Thompson, John..... | DeSoto..... |
| Thompson, R. C..... | Murphysboro..... |
| Thornton, James..... | DuQuoin..... |
| Thorand, Joe..... | Trenton..... |
| Tregoring, Walter..... | Murphysboro..... |
| Twonley, Edwin..... | Coal City..... |
| Vallow, Chas..... | Kinmundy..... |
| Vicary, John..... | Peoria..... |
| Vose, John..... | Springfield..... |
| Wagner, I..... | Mapleton..... |
| Walland, E. S..... | Bartonville..... |
| Walness, Wm..... | Riverton..... |
| Walschtag, S..... | Peoria..... |
| Walsch, Patrick..... | Springfield..... |
| Walters, Wm. H..... | Staunton..... |
| Wanless, Isaac..... | Riverton..... |
| Wanting, T. J..... | Pottstown..... |
| Waters, Thomas W..... | Ladd..... |
| Watts, Wm..... | Elmwood..... |
| Weeks, Thomas..... | Streator..... |
| Weisenborn, F. E..... | Gillespie..... |
| Westwater, David..... | Westville..... |
| Westwood, Albert..... | Belleville..... |
| Westwood, John..... | Streator..... |
| Westwood, Thomas..... | Belleville..... |
| Wheatcraft, James..... | Elmwood..... |
| Whennan, Charles..... | Oglesby..... |
| Whitaker, John..... | Collinsville..... |
| Whitaker, W. J..... | Collinsville..... |
| Wild, James..... | Murphysboro..... |
| Wild, James..... | Troy..... |
| Wiley, R..... | St. David..... |
| Wilkinson, Frank..... | Westville..... |
| Wilkinson, T. H..... | Diamond..... |
| Willett, Thomas..... | Collinsville..... |
| Williams, James..... | Murphysboro..... |
| Williams, Jeff..... | Manlock..... |
| Williams, John..... | Riverton..... |
| Williams, Louis..... | Belleville..... |
| Williams, Robert H..... | Edinburg..... |
| Williams, Walter..... | DuQuoin..... |
| Williams, W. W..... | Hornsby..... |
| Williamson, William..... | Staunton..... |
| Wilson, David..... | Murphysboro..... |
| Wilson, Hugh..... | Kinmundy..... |
| Wilson, Hiram..... | Carbondale..... |
| Wilson, H. C..... | Pekin..... |
| Wilson, John B..... | Sparta..... |
| Wilson, J. G..... | Roanoke..... |
| Wilson, John G..... | Wesley City..... |
| Wilson, Thomas..... | Astoria..... |
| Wilson, W. A..... | Reed City..... |
| Winning, James..... | Carterville..... |
| Winnig, Robert..... | Carterville..... |
| Winterbottom, John..... | Nashville..... |
| Wright, John..... | Belleville..... |
| Young, Hiram..... | Girard..... |
| Young, Hugh G..... | Braidwood..... |
| Zoller, Robert H..... | Braidwood..... |

LIST OF FIRE BOSSES HOLDING CERTIFICATES OF COMPETENCY.

| Names. | Address. |
|-------------------------|-------------------|
| Argyle, Joseph..... | Coal City..... |
| Barlow, Harry..... | Lake Creek..... |
| Bluffield, Chas..... | Coal City..... |
| Bullough, James..... | Girard..... |
| Campbell, James..... | Assumption..... |
| Cappin, Aaron..... | Wenona..... |
| Castillo, Henry..... | Pana..... |
| Chadderton, John..... | Lenz Station..... |
| Davis, Wm..... | Streator..... |
| Galbraith, Patrick..... | Coal City..... |
| Gloss, Mike..... | Gardner..... |
| Goehe, Wm..... | Staunton..... |
| Grabsuck, Emil..... | Staunton..... |
| Hardman, J. J..... | Auburn..... |
| Harrison, James..... | Athens..... |
| Harrison, John..... | Odin..... |
| Henley, J. H..... | Odin..... |
| Holden, Andy..... | Coal City..... |
| Hopkins, Reese..... | Litchfield..... |
| James, Johann..... | Grape Creek..... |
| Jennings, Wm..... | Athens..... |
| Jones, Benj. J..... | Coffeen..... |
| Jones, Morgan..... | Litchfield..... |
| Johnston, Samuel..... | Oglesby..... |
| Klover, Matthew..... | Pana..... |
| Lawson, Thos..... | Lake Creek..... |
| Lettson, Wm..... | Seneca..... |
| Lyons, Mark..... | Lincoln..... |
| Maggo, Jacob..... | Danville..... |
| Massie, J. G..... | Belleville..... |
| Muentrich, J..... | Staunton..... |
| McCranon, James..... | Girard..... |
| McCrindle, James..... | Oglesby..... |
| McEwen, Chas..... | Carbon Hill..... |
| McKellop, Donald..... | Carbon Hill..... |
| Nicholas, Eli W..... | Dunfermline..... |
| Nixon, Robert..... | Streator..... |
| Opp, Sherman W..... | Sandoval..... |
| Pick, Edward..... | Central City..... |
| Prince, Thos..... | Mt. Olive..... |
| Quim, Bernard..... | Bloomington..... |
| Reinnison, Henry..... | St. Johns..... |
| Ritson, Hugh..... | Farmington..... |

Certificates of Competency.—Concluded.

| Names. | Address. |
|------------------------|-------------------|
| Schmid, Conrad..... | Lincoln..... |
| Smith, James..... | Streator..... |
| Steel, Dan..... | Collinsville..... |
| Steel, Neal..... | Centralia..... |
| Sterns, James..... | Hallidayboro..... |
| Stonburner, L. L..... | Sorento..... |
| Thomas, John..... | Coal City..... |
| Vit, Chas..... | Litchfield..... |
| Whiteamper, Louis..... | Lincoln..... |
| Williams, W. E..... | Streator..... |

LIST OF FIRE BOSSES HOLDING CERTIFICATES OF SERVICE.

| Names. | Address. |
|-------------------------|-------------------|
| Bagshaw, Geo. W..... | Virden..... |
| Blakemore, Geo..... | Streator..... |
| Borg, Frank..... | Mt. Olive..... |
| Boulton, Henry..... | Coal City..... |
| Bough, Wm..... | Dawson..... |
| Brooks, Peter..... | Taylorville..... |
| Brown, John..... | Streator..... |
| Caveny, Edw..... | Pana..... |
| Franzen, Mat..... | Girard..... |
| Gray, Wm..... | Streator..... |
| Griffin, John..... | Niantic..... |
| Hall, John Herbert..... | Minonk..... |
| Hoesfield, Aaron..... | Oglesby..... |
| Hornanor, Paul..... | Lincoln..... |
| Hughes, John..... | Decatur..... |
| Humphreys, Wm..... | Clark City..... |
| Jenkins, Rutland..... | LaSalle..... |
| Kneper, David..... | Girard..... |
| Kopps, August..... | Girard..... |
| Kortkamp, Carl..... | Hillsboro..... |
| Kortkamp, Lewis..... | Hillsboro..... |
| Lewis, Edw..... | Ladd..... |
| Moffett, Edw. A..... | Bartonville..... |
| Montgomery, John A..... | Gardner..... |
| Mooney, Arthur..... | Kangley..... |
| McDonald, M. E..... | LaSalle..... |
| Ross, S. H..... | Girard..... |
| Schmidt, Ernest..... | Mt. Olive..... |
| Shaw, Francis M..... | Hallidayboro..... |
| Shopman, John..... | Mt. Olive..... |
| Siebenhauser, Wm..... | LaSalle..... |
| Solofski, Herman..... | Decatur..... |
| Stewart, Samuel..... | Coal City..... |
| Taylor, Sam..... | O'Fallon..... |
| Wilson, Archie..... | Clark City..... |
| Wilson, John..... | Gardner..... |
| Wood, Henry..... | Streator..... |

LIST OF HOISTING ENGINEERS HOLDING CERTIFICATES OF COMPETENCY.

| Names. | Address. |
|-------------------------|-------------------|
| Ablem, Henry..... | Breese..... |
| Adams, Nelson..... | Lincoln..... |
| Alexander, W. A..... | Roseboro..... |
| Allen, C. E..... | Troy..... |
| Allen, C. H..... | Seneca..... |
| Alivater, Stephen..... | Clarke City..... |
| Anderson, Henry..... | Lincoln..... |
| Anderson, Z. B..... | Sparta..... |
| Andrews, Solomon..... | Girard..... |
| Appleton, Thomas..... | Virden..... |
| Archibald, David..... | Springfield..... |
| Ashman, Joseph..... | Murphysboro..... |
| Atkin, Robert R..... | Tilden..... |
| Avery Wm..... | Lenz Station..... |
| Barber, C. E..... | DuQuoin..... |
| Barber, C. W..... | DuQuoin..... |
| Barnhill, H. G..... | Kimmunity..... |
| Barr, Frank..... | Cantralia..... |
| Barton, C. W..... | Cable..... |
| Barton, Chas. W..... | Fairmount..... |
| Beard, Chas. A..... | Streator..... |
| Beatty, James H..... | Kimmunity..... |
| Beatty, Nepha..... | Mascoutah..... |
| Blake, Albert..... | Streator..... |
| Boston, Wm. H..... | Murphysboro..... |
| Brandenburg, F..... | Belleville..... |
| Bromley, Chas..... | Coal City..... |
| Bromley, George Sr..... | Carlin..... |
| Bromley, George W..... | Kelleyville..... |
| Broughton, Geo. C..... | Coffeen..... |
| Brown, Thos..... | Moweaqua..... |
| Buckley, Calvin W..... | Sparland..... |
| Burlinson, Aaron..... | Percy..... |
| Burr, Chauncey..... | Coulterville..... |
| Burrell, G. K..... | Farmington..... |
| Butcher, Thos..... | Murphysboro..... |
| Butt, Thos. R..... | Litchfield..... |
| Byrne, Michael..... | LaSalle..... |
| Cain, Daniel..... | Ridgley..... |
| Cain, John..... | Ridgley..... |
| Cameron, Daniel..... | Pana..... |
| Camp, J. R..... | Westville..... |
| Campbell, Fred..... | Sorento..... |
| Campbell, W. J..... | Coal City..... |
| Cantrell, H. T..... | Farmington..... |
| Carmichael, Thos..... | Springfield..... |
| Carpenter, Charles..... | Girard..... |
| Carr, Robt. H..... | Freeburg..... |
| Carrington, Eugene..... | Moweaqua..... |
| Chew, B. R..... | Carlinville..... |
| Christ, Philip..... | Wenona..... |
| Clark, John..... | Marquette..... |
| Clark, John..... | Virden..... |
| Clark, Quintin..... | Braidwood..... |
| Clicken, C. S..... | Watt..... |
| Clifford, Michael..... | Kewanee..... |
| Clifton, Wm. H..... | Sparland..... |
| Coatner, Grant..... | Fairmount..... |
| Collington, Chas..... | Belleville..... |

Certificates of Competency.—Continued.

| Names. | Address. |
|--------------------------|--------------------|
| Collingwood, Wm..... | Greenview..... |
| Cowley, John..... | Streator..... |
| Connelly, J. J..... | Murphysboro..... |
| Conway, John..... | Collinsville..... |
| Conway, Michael..... | Ladd..... |
| Cornelius, Richard..... | Fairmont..... |
| Cotton, George..... | Hallidayboro..... |
| Crocher, Edward..... | Marquette..... |
| Cummings, George..... | Pana..... |
| Cummings, Geo. A. P..... | Gardner..... |
| Cummings, Geo. P..... | Sparland..... |
| Cummings, Robert W..... | Sparta..... |
| Panah, John W..... | Springfield..... |
| Daniel, James..... | Belleville..... |
| Daniels, Joel..... | Bolleville..... |
| Dankins, Thos. J..... | Braceville..... |
| Davis, E. E..... | Auburn..... |
| Davis, Frank..... | Lincoln..... |
| Davis, James P..... | Belleville..... |
| Davis, L. D..... | Coffeen..... |
| Deaton, L. B..... | Tallula..... |
| Deiseacher, Thomas..... | Elmwood..... |
| Dee, Henry..... | Glen Carbon..... |
| Delmore, Frank..... | Springfield..... |
| Delorey, Wm..... | Westville..... |
| Dent, Wm..... | Diamond..... |
| Dick, Robt..... | Sunfield..... |
| Dodwell, Edward J..... | Decatur..... |
| Dowler, John..... | Auburn..... |
| Dowling, Ira F..... | Springfield..... |
| Dougherty, Joseph..... | Taylorville..... |
| Duffy, Glen..... | Collinsville..... |
| Duncan, J. R..... | LaSalle..... |
| Dyer, Harry..... | DuQuoin..... |
| Estham, G. A..... | Girard..... |
| Eady, Evermont..... | Athens..... |
| Elliott, Clarence..... | Bryant..... |
| Elliott, H. H..... | Centralia..... |
| Ellis, Albert..... | Cable..... |
| Elmore, V. M..... | Coffeen..... |
| Emery, H. W..... | Grenville..... |
| Erisman, Jacob D..... | Niantic..... |
| Erisman, Jesse..... | Niantic..... |
| Evans, C. L..... | Virden..... |
| Evans, W. E..... | Danville..... |
| Fahay, John..... | Decatur..... |
| Farley, James..... | Riverton..... |
| Fillingham, J. A..... | Canton..... |
| Fischer, Philip..... | Lenzburg..... |
| Flesher, A..... | Taylorville..... |
| Forister, Robt..... | Murphysboro..... |
| Forister, Wm..... | Murphysboro..... |
| Fox, James B..... | LaSalle..... |
| Frain, Austin..... | Ridge Prairie..... |
| Frankland, Tim..... | Streator..... |
| Friend, J. W..... | Col insville..... |
| Frier, Jacob..... | Ormsby..... |
| Fritz, Gustav..... | Breese..... |
| Fry, D. W..... | Clarke City..... |
| Ferguson, S. P..... | Strasburg..... |
| Fuster, D. H..... | Murphysboro..... |
| Gately, James..... | Santonville..... |
| Gates, Wm. S..... | Kankakee..... |
| Gallagher, Peter..... | Clarke City..... |
| Gaughan, James..... | Bradwood..... |
| Gibson, John..... | Sandoval..... |
| Gilkson, R. W..... | Danville..... |
| Girten, Henry..... | Troy..... |
| Gladders, Wm..... | Coal City..... |
| Golby, Arthur A..... | Percy..... |
| Golby, B. F..... | Percy..... |
| Golby, Frank H..... | Stookey..... |
| Gordon, E. J..... | Petersburg..... |
| Gould, Geo..... | Sato..... |

Certificates of Competency.—Continued.

| Names. | Address. |
|---------------------|----------------|
| Grace, John T. | Kewanee. |
| Graham, L. A. | Springfield |
| Greaves, Walter. | Ladd. |
| Green, Daniel. | Braidwood. |
| Green, Thomas. | Marissa. |
| Greenhalgh, James. | Hillsboro. |
| Greenhalgh, Wm. | Hillsboro. |
| Grievies, James. | Birkner. |
| Griffin, John O. | Kewanee. |
| Groom, John Sr. | Belleville. |
| Groom, James. | Belleville. |
| Groom, Wm. | Belleville. |
| Grubb, Michael. | Riverton. |
| Hensel, Edward. | Lenzburg. |
| Hansel, David. | Lenzburg. |
| Hagler, Chas. | Fredonia. |
| Hale, Wm. T. | Troy. |
| Hall, G. R. | Colchester. |
| Hamilton, Jas. H. | Sparland. |
| Hampton, N. R. | Murphysboro. |
| Hand, P. L. | Peoria. |
| Hand e, Leddie. | Taylorville. |
| Hanvey, John J. | Collinsville. |
| Hanvay, Robert. | Collinsville. |
| Hanvay, Wm. | Collinsville. |
| Hardy, Thos. W. | Dawson. |
| Hartman, Frank. | Murphysboro. |
| Hawke, J. O. | Pana. |
| Hayes, James. | Bloomington. |
| Head, John S. | Assumption. |
| Hennegan, John F. | Wanlock. |
| Henry, Philip. | Kewanee. |
| Herring, Geo. P. | Odin. |
| Hillard, James. | St. David. |
| Hill, C. C. | Marissa. |
| Hill, C. W. | Pontiac. |
| Hodson, Edward. | Murphysboro. |
| Hoecker, Chas. | Glen Carbon. |
| Hopper, Frank. | Edwardsville. |
| Hopper, Geo. | Glen Carbon. |
| Hopper, H. H. | Gillespie. |
| Hord, Alvin. | Taylorville. |
| Huggins, Wm. | Murphysboro. |
| Hughes, John C. | Springfield. |
| Irwin, Byron. | Pana. |
| Irwin, John. | Gillespie. |
| Isadore, Geo. | Roseburg. |
| Jacobs, James M. | Moweaqua. |
| Jacobs, Wm. | Murphysboro. |
| Jacobs, W. Sr. | Peoria. |
| Jeffrey, Jam s. | Marissa. |
| Jenkins, John L. | Streator. |
| Jenkins, T. E. | Danville. |
| Jenks, Wm. | Athens. |
| Jones, George. | Freeburg. |
| Jones, John P. | Stanton. |
| Jones, Henry E. | Belleville. |
| Jones, Jonathan Jr. | Marissa. |
| Jones, Jonathan Sr. | Marissa. |
| Jones, Logan. | Marissa. |
| Jones, William. | Marissa. |
| Johnson, John W. | Bloomington. |
| Johnson, J. S. | Birkner. |
| Johnson, Robt. | DuQuoin. |
| Johnson, Wm. H. | Pawnee. |
| Johnston, Jos. R. | Spring Valley. |
| Johnston, Thomas. | Pontiac. |
| Keating, Edward F. | Streator. |
| Keating, Richard. | Streator. |
| Kelle, James D. | Carbon Hill. |
| Kelley, Robt. D. | Carbon Hill. |
| Kied, Alonzo. | Fairmount. |
| Kilbride, T. E. | Farmington. |
| Killinger, C. | Collinsville. |

Certificates of Competency—Continued.

| Names. | Address. |
|-------------------------|-------------------|
| Killinger, John..... | Collinsville..... |
| Kimber, John..... | Ladd..... |
| Kingenfus, Wm..... | Belleville..... |
| Kinghom, John..... | Staunton..... |
| King, Alex. Sr..... | Cartersville..... |
| King, L. B..... | Smithboro..... |
| Kirshmer, Frank..... | Belleville..... |
| Lambert, Geo. W..... | LaSalle..... |
| Layne, J. W..... | DeSoto..... |
| Lehman, Philip..... | Lebanon..... |
| Lemons, J. L..... | Girard..... |
| Leslie, W. B..... | Braidwood..... |
| Lindskey, Martin H..... | Streator..... |
| Lindstrom, Oscar..... | Sherrard..... |
| Little, Thos..... | Murphysboro..... |
| Lockie, Wm..... | Cartersville..... |
| Lucht, M. F..... | Mt. Olive..... |
| Lundley, Ralph..... | Rich Prairie..... |
| Marder, Chas. H..... | Staunton..... |
| Manley, Leo..... | Coffeen..... |
| Mainwaring, Jas..... | Braceville..... |
| Marland, James..... | Wenona..... |
| Marland, Wm..... | Sparland..... |
| Marshall, Robt..... | Murphysboro..... |
| Massie, J. T..... | Belleville..... |
| Manle, Wm..... | Belleville..... |
| Mayor, J. W..... | DuQuoin..... |
| Meadows, Wm..... | Leadford..... |
| Michaels, Otto..... | Belleville..... |
| Miller, A. J. F..... | Centralia..... |
| Miller, James..... | Alma..... |
| Miller, Wm. C..... | Rentchler..... |
| Mills, Thos. S..... | Coal City..... |
| Monaghan, James..... | Gillespie..... |
| Morck, John..... | Belleville..... |
| Morgan, John C..... | Springfield..... |
| Morgau, Wm..... | Carbon Hill..... |
| Morris, George..... | Belleville..... |
| Morris, Wm..... | Mt. Olive..... |
| Morrisey, Thos..... | Lebanon..... |
| Mulvany, A. T..... | Glenburn..... |
| Murphy, Rout. T..... | Norris..... |
| Murrie, Archie..... | Trenton..... |
| Murray, Jos. P..... | Roseboro..... |
| Myers, Henry..... | Minonk..... |
| McCauley..... | Avon..... |
| McCormack, James J..... | Springfield..... |
| McCulley, G. L..... | Pawnee..... |
| McDonald, John..... | Springfield..... |
| McDonald, Wm. J..... | Percy..... |
| McFarland, F. E..... | Murphysboro..... |
| McGittigan, Thos..... | Pana..... |
| McKean, John..... | Carbon Hill..... |
| McKean, Isaac..... | Coal City..... |
| McKearnan, J. B..... | Athens..... |
| McKeerman, John..... | Belleville..... |
| McLaughlan, F. T..... | Carbon Hill..... |
| McLaughlan, Geo..... | Carbon Hill..... |
| McVey, Frank..... | Roanoke..... |
| McVicar, Donald..... | LaSalle..... |
| Needham, Daniel..... | Breese..... |
| Nelson, Andrew V..... | Centralia..... |
| Newal, Leroy..... | Sparland..... |
| Neverner, James..... | Belleville..... |
| Nicol, Adolph..... | Belleville..... |
| Norboj, Peter..... | Galva..... |
| O'Brien, Terry..... | Decatur..... |
| O'Donnell, Michael..... | Decatur..... |
| Olinger, J..... | Odin..... |
| Ord, S. R..... | Mt. Vernon..... |
| Osburn, Glen L..... | Streator..... |
| Ot o, John..... | Collinsville..... |
| Outhouse, John..... | Johnson City..... |

Certificates of Competency—Continued.

| Names. | Address. |
|-------------------|---------------|
| Paddock, W. D. | Pana. |
| Paden, J. W. | Spring Valley |
| Parks, James | Streator |
| Patterson, R. J. | Murphysboro |
| Pearce, H. L. | Cable |
| Peecher, David | Braidwood |
| Petrea, J. W. | Centralia |
| Philip, J. M. | Athens |
| Piper, James | Worden |
| Petra, Frank | Odin |
| Pircher, Peter P. | Sandoval |
| Plocker, Henry | Pana |
| Pointer, Ed. H. | Belleville |
| Powell, Edwin | Caseyville |
| Powell, F. C. | Seatonville |
| Price, Thos. | Spalding |
| Pugh, Dan | St. John |
| Puhrer, R. H. | Centralia |
| Quick, A. F. | Sato |
| Quick, A. S. H. | Sato |
| Quigley, Henry | Hallidayboro |
| Raber, F. G. | Troy |
| Radford, Wm. T. | Bloomington |
| Rafter, Michael | Marquette |
| Randle, Caleb | Belleville |
| Randle, Wm. | Freeburg |
| Rason, J. D. | Staunton |
| Reagan, Wm. | Mt. Olive |
| Reatz, Hans | Lincoln |
| Reed, W. J. | Danville |
| Reetz, Herman | Lincoln |
| Reid, Archibald | Springfield |
| Reilly, Henry | Toluca |
| Reimann, John | Belleville |
| Renni, Andrew | Dunfermline |
| Rennie, James | Dunfermline |
| Rhodes, Almon R. | Chenoa |
| Rice, C. L. | Harrisburg |
| Rice, Moses | Murphysboro |
| Richards, John T. | Staunton |
| Richmond, John E. | Coal City |
| Riley B. J. | Cantrall |
| Rippitoe, J. G. | Colchester |
| Roberts, John | Litchfield |
| Robinson, Chas. | Wenona |
| Robinson, J. A. | Riverton |
| Robinson, Wm. A. | Toluca |
| Rockey, Chas. | Peoria |
| Roy, A. L. | Collinsville |
| Russell, Zenas | Pana |
| Rutliff, Isaac | Ashland |
| Savage, Richard | Clarke City |
| Sawers, Joseph | Coal City |
| Saylor, C. F. | Murphysboro |
| Schaifer, Fred | Belleville |
| Schmacher, Herman | Glen Carbon |
| Scharinek, Frank | Edwardsville |
| Schroeder, Chas. | Mt. Olive |
| Schroeder, Henry | Mt. Olive |
| Schuessel, Conard | Breese |
| Schulte, Fritz | Clinton |
| Scott, J. W. | Colchester |
| Secar, F. D. | Odin |
| Seiler, Wm. | Ormsby |
| Seeman, John C. | Cantrall |
| Shroyer, A. D. | Lincoln |
| Siddall, John | Belleville |
| Siddall, Levi | Belleville |
| Slocum, Clarence | Gilchrist |
| Smith, Ed. J. | Collinsville |
| Sneddon, John | O'Fallon |
| Sneddon, Richard | Catlin |
| Sowerly, Miles | Willisville |
| Sparks, J. L. | Mt. Vernon |
| Sparling, Chas. | Seatonville |

Certificates of Competency—Concluded.

| Name. | Address. |
|---------------------------|---------------------|
| Sparling, Henry | Seatonville |
| Srout, J. W. | Pontiac |
| Standford, J. W. | Pana |
| Stedman, Edgar | Missionfield |
| Stedman, Robt. | Danville |
| Steel, E. H. | Salem |
| Steven, C. H. | Spring Valley |
| Stewart, James C. | Carbon Hill |
| Stewart, Peter | Murphysboro |
| Stout, F. M. | Springfield |
| Stout, W. E. | Rutland |
| Stowell, G. W. | Bloomington |
| Swartz, Fred | Toluca |
| Taylor, Edwin | Trenton |
| Taylor, Mack | Westville |
| Temple, James C. | Springfield |
| Thomas, Fred | Rutland |
| Thexon, Henry | Rushville |
| Tibballs, E. E. | Marion |
| Travis, Alonzo | Pana |
| Travis, Wm. | Birkner |
| Twombly, Edward | Coal Valley |
| Vandveer, Perry E. | Taylorville |
| Vernon, James | LaSalle |
| Waldron, Thos. | Fredonia |
| Walker, John H. | Mt. Olive |
| Walker, Joshua | Mt. Olive |
| Wollock, Chas. | Braceville |
| Walton, Joseph | St. David |
| Wantling, T. J. | Pottstown |
| Wandless, W. S. | Collinsville |
| Wassel, Anton | Braceville |
| Wattawa, Joseph | Belleville |
| Watts, T. J. | Elmwood |
| West, W. H. | Murphysboro |
| Westwook, Albert | Belleville |
| White, Robert | Lincoln |
| Wilkin, W. P. | Springfield |
| Williamson, Henry | Coal City |
| Williamson, William | Coal City |
| Wohlens, Henry | Mt. Olive |
| Wilson, David | Birkner |
| Wilson, W. H. | Middle Grove |
| Woodward J. R. | Streator |
| Wright, Wm. M. | Pana |
| Yates, John | DeSoto |
| Yates, Wm. | Coal City |
| Yehling, Fred H. | DuQuoin |
| Young, J. K. | Girard |
| Young, Jas. L. | Gardner |
| Young, Robert | LaSalle |
| Zink, Louis | Belleville |
| Zurick-r, Lorens | Cable |

LIST OF HOISTING ENGINEERS HOLDING CERTIFICATES OF SERVICE.

| Name. | Address. |
|--------------------------|---------------------|
| Ackerman, Jacob | Belleville |
| Allen, Wm. H. | Collinsville |
| Anthony, John C. | Belleville |
| Banker, Henry | Rich Prairie |
| Beeby, Wm. | Springfield |
| Bell, Geo. E. | Canton |
| Beveruto, Chas. | Toluca |
| Blnc, Jesse | Morris |
| Bowman, Geo. W. | Yates City |
| Brown, G. A. | Hes Junction |
| Brubeck, J. W. | Pawnee |
| Bumann, Albert | Springfield |
| Campbell, Albert | Pottstown |
| Campbell, James | Coal City |
| Carlson, Alex. | Galva |
| Carrington, Eugene | Moweaqua |
| Carter, Albert J. | Pinckneyville |
| Chitwood, Wm. | Glenburn |
| Clark, Chas. M. | DuQuoin |
| Cline, John | LaSalle |
| Cook, W. D. | Westville |
| Collins, John | Birkner |
| Cotton, Geo. | Hallidayboro |
| Cox, John | Ledford |
| Craig, Daniel | Danville |
| Crawson, Wm. | O'Fallon |
| Crinigan, Barney | LaSalle |
| Crocker, Ed | Marquette |
| Crunkshanks, Wm. A. | Middle Grove |
| Daley, Thos. | Diamond |
| Danck, John | LaSalle |
| Davenport, Thos. | New Castle |
| Davis, Geo. W. | Hanna City |
| Davis, Thomas | Swanwick |
| Davison, J. G. | St. John |
| Dawson, John | Streator |
| Dawson, V. C. | Spring Valley |
| DeBacher, Thomas | Elmwood |
| Dietrich, Philip | Freeburg |
| Dillon, John | Auburn |
| Doe, R. P. | Glen Carbon |
| Dodd, Samuel | Pottstown |
| Edwards, Geo. W. | Springfield |
| Ekes, Daniel B. .... | ..... |
| Essex, Geo. M. | Soperville |
| Evans, Albert | Glen Carbon |
| Everett, Chas. | Rutland |
| Fischer, Geo. | Staunton |
| Fisher, Patrick | Kangley |
| Gandy, James W. | Peoria |
| Glenam, Philip | Williamsville |
| Glasford, Oliver | Orchard Mines |
| Graham, J. A. | Nilwood |

List of Hoisting Engineers—Continued.

| Name. | Address. |
|-------------------------|-----------------------|
| Grattendick, Fred | Okawville |
| Gruaves, Allen | Nashville |
| Grey, David F. | Springfield |
| Grierson, John. | Streator |
| Grimshaw, Joseph. | LaSalle |
| Groom, John | Belleville |
| Haas, Jacob | Millstadt |
| Hagler, Chas. | Fredonia |
| Hansom, Wm. | O'Fallon |
| Harms, Heike. | Petersburg |
| Harris, J. T. | Tamaroa |
| Hayes, John | Riverton |
| Heaver, F. | Sandoval |
| Hickox, Lee | Springfield |
| Ichman, Frank | Spring Valley |
| Isadore, Chas. | Sparta |
| Isadore, George ..... | ..... |
| Jackson, Wm. | Minonk |
| Jacobs, John P. | Orchard Mines |
| Jacobs, Wm. | Murphysboro |
| Jamison, John | Petersburg |
| Johnson, Edgar W. | Marissa |
| Jones, Geo. W. | Riverton |
| Jones, T. A. | Muncie |
| Judd, Thos | Cuba |
| Karney, E. | Hallidayboro |
| Kelley, Martin | Jolua |
| Kemper, Christian. | Belleville |
| Kennedy, W. J. | Edwardsville |
| King, Alex., Jr. | Carterville |
| Kirby, Thos., Sr. | Peru |
| Klang, John | Galva |
| Klaus, Louis | Belleville |
| Langran, James | Fairbury |
| Larson, Chas. L. | Galva |
| Latham, Wm. H. | Hallidayboro |
| Lewes, Jacob H. | Pottstown |
| Lloyd, Benj. | Rentchler |
| Love, Wm. | Virden |
| Lundberg, Eric | Galva |
| Marshall, Robert | Yates City |
| Mattern, Daniel | Spring Valley |
| Matthew, C. | Marion |
| Matthews, Wm. G. | Bartonville |
| Maxwell, Fred. | Peoria |
| Melvin, T. M. | Tamaroa |
| Milem, John | Spring Valley |
| Miller, Wm. | Streator |
| Worrison, Archie | Oglesby |
| Murray, Chas. H. | Galva |
| McTalster, Thos. | Muddy Valley |
| McDonald, W. H. | Pana |
| McLean, John | Pleasant Plains |
| McMillen, W. M. | Danville |
| McWerthy, J. A. | Smithboro |
| Neal, Ambrose | Barclay |
| Neill, John H. | Bunker Hill |
| Neilson, J. W. | Sparta |
| Nicholson, Geo. A. | Cuba |
| Noid, John E. | Galva |
| Ogden, David | Rentchler |
| Ogden, Samuel. | Mascoutah |
| Olso, Aug. | Kangley |
| Osborne, Benj. | Streator |
| Ottinger, Wm | Catlin |
| Hankey, John M. | Equality |
| Pett, Chas. | Marseilles |
| Pendergast, Jas. | Soperville |

List of Hoisting Engineers—Concluded.

| Name. | Address. |
|----------------------|----------------|
| Phillips, Wm. | Hallidayboro. |
| Piper, Oliver | Worden. |
| Prichard, H. C. | Lewistown. |
| Prichett, T. M. | Niantic. |
| Qualls, Nevel. | Dubois. |
| Quick, A. T. | Sato. |
| Raber, Louis | Caseyville. |
| Radford, James W. | Cuba. |
| Radford, W. T. | Bloomington. |
| Rahaur, Mike. | Pawnee. |
| Redyard, John | Odin. |
| Reese, B. F. | Harrisburg. |
| Reid, A. B., Jr. | DuQuoin. |
| Rennard, Jas. E. | Westville. |
| Reum, Chas. H. | Sorento. |
| Rice, B. F. | Harrisburg. |
| Richmond, Ed B. | Winchester. |
| Rieger, John C. | Pinckneyville. |
| Riley, Michael. | Westville. |
| Roach, Samuel. | Tamaroa. |
| Rogers, Geo. | Sunfield. |
| Rogers, Henry. | Braidwood. |
| Rude, Edmond. | DeSoto. |
| Sallada, Geo. A. | Chatham. |
| Sanson, T. J. | Cartersville. |
| Sawers, Joseph. | Coal City. |
| Schnmacher, Chas. | Marissa. |
| Schramm, Chas. | Belleville. |
| Seebach, Joseph | Spring Valley. |
| Sexton, LaFayette | Dawson. |
| Seymour, A. J. | Fredonia. |
| Sheppard, W. C. | Marquette. |
| Shurm, Fred. | Gardner. |
| Smith, Geo. W. | Virginia. |
| Soirels, D. H. | Ashland. |
| Sowarby, Miles. | Willisville. |
| Strick, Wm. | Belleville. |
| Stoker, Edward | Bartonville. |
| Struck, Carl. | Springfield. |
| Stuart, John. | Oglesby. |
| Taylor, Benj. | Bartonville. |
| Taylor, Willard W. | Tamaroa. |
| Tefft, Ernst. | Girard. |
| Telfer, John K. | Morris. |
| Wallace, H. G. | East Peoria. |
| Warren, Andrew M. | Wenona. |
| Waymire, James. | Assumption. |
| Wertwood, Edw. | Birkner. |
| Wheatley, Rolley. | DuQuoin. |
| White, Henry. | Riverton. |
| Williams, Huster. | Spaulding. |
| Williams, Stephen P. | Wyoming. |
| Williams, Watson. | Barclay. |
| Wills, Harry. | New Castle. |
| Wood, Samuel A. | Colfax. |
| Woolbright, D. A. | Centralia. |
| Wonnes, Joseph. | Birkner. |
| Wonnack, Chas. | Glen Carbon. |
| Zeigler, John. | Iles Junction. |

FINANCIAL STATEMENT

Of Moneys Received for Inspection of Coal Mines to July 1, 1896.

The Thirty-ninth General Assembly so amended the General Mining Law of the State as to compel the coal operators to pay for inspection service, fixing the maximum of each inspection at ten (10) dollars, the intermediate at eight (8) dollars, and the minimum at six (6) dollars. The law also requires that the inspectors make a detailed report to this Bureau of the number of inspections made and the amounts charged, which is to be embodied in the annual Coal Report of Illinois. As the fiscal year of this report ends July 1, 1896, the money that has been acknowledged as having been received at this department for inspection service includes only that which has been received up to that date; subsequent remittances will be published in the annual Coal Report of next year.

REPORT OF INSPECTION OF MINES.

Showing Number of Inspections Made, Amounts Charged and Money Received for Year ending July 1, 1896—First Inspection District.

JAMES A. KEATING, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|---------------------|----------------|--------------|---------|
| | | | | Date. | Amount. |
| LaSalle County Carbon Co.— | | | | | |
| Rockwell..... | LaSalle..... | Oct. 2, 1895 | \$10 00 | Feb. 24..... | \$10 00 |
| Union Shaft..... | ..... | Nov. 11, 12, 1895 | 10 00 | " 24..... | 10 00 |
| No. 1..... | Jones..... | Jan. 29, 30, 1896 | 10 00 | ..... | ..... |
| LaSalle Co. Carbon Co..... | LaSalle..... | 31, 1896 | 10 00 | ..... | ..... |
| Union..... | ..... | Mar. 23, 24, 1896 | 10 00 | ..... | ..... |
| Rockwell..... | "..... | April 8, 9, 1896 | 10 00 | ..... | ..... |
| Jones..... | "..... | May 12, 13, 1896 | 10 00 | ..... | ..... |
| LaSalle..... | "..... | May 14, 1896 | 10 00 | ..... | ..... |
| Vermilion Coal Co..... | Streator..... | Nov. 2, 4, 1895 | 10 00 | ..... | ..... |
| Acme Coal Co., The Coal..... | "..... | 5, 1895 | 8 00 | Jan. 21..... | 8 00 |
| " " Acme..... | "..... | Feb. 26, 1896 | 10 00 | May 11..... | 10 00 |
| " " "..... | "..... | June 15, 1896 | 8 00 | ..... | ..... |
| Star Coal Co.— | | | | | |
| No. 2..... | "..... | Nov. 13, 1-95 | 10 00 | Feb. 14..... | 10 00 |
| Carbon Hill, No. 1..... | "..... | Dec. 2, 3, 1895 | 10 00 | " 14..... | 10 00 |
| No. 2..... | Carbon Hill..... | 10, 11, 1895 | 10 00 | " 14..... | 10 00 |
| No. 3..... | Streator..... | 12, 13, 1895 | 10 0 | " 14..... | 10 00 |
| Spring Hill..... | ..... | Nov. 14, 1895 | 8 00 | " 14..... | 8 00 |
| Kangley, No. 2..... | Spring Hill..... | Feb. 28, 1896 | 10 00 | May 10..... | 10 00 |
| No. 2..... | Kangley..... | Mar. 11, 12, 1896 | 10 00 | 10..... | 10 00 |
| No. 3..... | Carbon Hill..... | Apr. 22, 23, 1896 | 10 00 | ..... | ..... |
| No. 1..... | ..... | 21, 25, 1896 | 10 00 | ..... | ..... |
| No. 2..... | Spring Hill..... | June 13, 18-6 | 10 00 | ..... | ..... |
| " "..... | Kangley..... | " 26, 27, 1896 | 10 00 | ..... | ..... |
| C. W. & V. Coal Co.— | | | | | |
| No. 1..... | Streator..... | Nov. 15, 1895 | 10 00 | ..... | ..... |
| P..... | Braidwood..... | 27, 1895 | 10 00 | ..... | ..... |
| No. 2..... | Streator..... | Dec. 24, 1895 | 8 00 | ..... | ..... |
| Braidwood..... | Braidwood..... | Jan. 13, 1896 | 10 00 | ..... | ..... |
| No. 2..... | Streator..... | Mar. 6, 1896 | 10 00 | ..... | ..... |
| No. 1..... | Heenanville..... | 13, 1896 | 10 00 | ..... | ..... |
| P..... | Braidwood..... | Apr. 17, 1896 | 10 00 | ..... | ..... |
| No. 2..... | Streator..... | 28, 1896 | 10 00 | ..... | ..... |
| Price & Jones (P. O., Streator) | Prairie Creek..... | Nov. 16, 1895 | 6 00 | ..... | ..... |
| "..... | Streator..... | Mar. 13, 1896 | 8 00 | ..... | ..... |
| "..... | Prairie Creek..... | 19, 1896 | 6 00 | ..... | ..... |
| "..... | Streator..... | June 8, 1896 | 8 00 | ..... | ..... |
| Joseph Kilburb..... | "..... | Nov. 18, 1895 | 6 00 | ..... | ..... |
| John Marshall..... | "..... | " 18, 1895 | 6 00 | Mar. 31..... | 6 00 |
| Streator Clay Mfg. Co., No. 1..... | "..... | " 18, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Mar. 29, 1896 | 6 00 | ..... | ..... |
| Wilmington Star M. Co., No. 5 | Coal City..... | Nov. 25, 1895 | 8 00 | Feb. 5..... | 8 00 |
| " " No. 3..... | "..... | Nov. 26, 1895 | 8 00 | " 5..... | 8 00 |
| " " No. 5..... | "..... | April 13, 1896 | 8 00 | ..... | ..... |
| " " No. 3..... | "..... | April 18, 1896 | 8 00 | ..... | ..... |
| Nelson Plumb..... | Streator..... | Nov. 29, 1895 | 6 00 | ..... | ..... |
| Rynn & Roberts..... | "..... | Dec. 9, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | May 11, 1896 | 6 00 | ..... | ..... |
| Wilmington Big Four..... | Coal City..... | Dec. 4, 1895 | 10 00 | Feb. 7..... | 10 00 |
| "..... | "..... | April 14, 1896 | 10 00 | ..... | ..... |

Financial Statement--Continued.

| Name of firm, company or person operating mine. | Location. | Date of inspection. | Amount of fee. | FEES PAID. | |
|---|----------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Wilmington C. M. & Mfg. Co. | Diamond | Dec. 5 & 6, 1895 | \$10 00 | May 19 | \$10 00 |
| Edmunds & Viponds | Prairie Creek | Apr. 15, 16, 1896 | 10 00 | | |
| Alex Begrun (P. O. Streator) | Pleasant Hill | Dec. 9, 1895 | 6 00 | | |
| Harry Smoke | | 17, 1895 | 6 00 | | |
| Oglesby Coal Co., No. 1 | Oglesby | 19, 20, 1895 | 10 00 | Jan. 18 | 10 00 |
| Wm. Howe & Co., Coal Co. | Streator | Apr. 29, 30, 1896 | 10 00 | | |
| | | Dec. 23, 1895 | 6 00 | March 30 | 6 00 |
| | | Mar. 20, 1896 | 6 00 | | |
| Hodson & Stubbs, No. 1 | | Dec. 23, 1895 | 6 00 | | |
| | | Apr. 27, 1896 | 6 00 | | |
| James Cahill | Peru | Dec. 30, 31, 1895 | 10 00 | May 27 | 10 00 |
| | | Mar. 25, 1896 | 10 00 | | |
| Nelson & Westerbund | Streator | Jan. 4, 1896 | 6 00 | | |
| | | Apr. 27, 1896 | 6 00 | | |
| Barrackman & Co. | Coalville | Jan. 6, 1896 | 8 00 | | |
| | | Mar. 18, 1896 | 8 00 | | |
| Gardner & Wil. Coal Co., B. | Clarke City | Jan. 7, 1896 | 8 00 | | |
| No. 1 | Gardner | 8, 1896 | 8 00 | | |
| " | No. 1 | May 5, 1896 | 8 00 | | |
| " | B. | 18, 1896 | 8 00 | | |
| Streator & Pontiac Coal Co. | Pontiac | Jan. 10, 1896 | 8 00 | | |
| John Henry & Co. | " | 10, 1896 | 6 00 | | |
| | | May 4, 1896 | 6 00 | | |
| Coöperative Coal Co., No. 2 | Braidwood | Jan. 14, 1896 | 6 00 | May 18 | 6 00 |
| No. 2 | | May 28, 1896 | 6 00 | | |
| Wm. Maltby, No. 1 | " | Jan. 14, 1896 | 6 00 | May 6 | 6 00 |
| No. 1 | " | May 28, 1896 | 6 00 | | |
| Chicago, Milwaukee & St. Paul | Braceville | Jan. 15, 16, 1896 | 10 00 | May 23 | 10 00 |
| | | May 6, 7, 1896 | 10 00 | | |
| Wren & Griffith | Morris | Jan. 20, 1896 | 6 00 | | |
| | | June 17, 1896 | 6 00 | | |
| Alex. Bell & Son | " | Jan. 20, 1896 | 6 00 | | |
| Jas. Cryer | " | 21, 1896 | 6 00 | | |
| Thos. Espley | " | 21, 1896 | 6 00 | | |
| | | June 17, 1896 | 6 00 | | |
| Wm. Wood | " | Jan. 21, 1896 | 6 00 | | |
| | | June 18, 1896 | 6 00 | | |
| Harry Keay | " | Jan. 21, 1896 | 6 00 | | |
| | | June 17, 1896 | 6 00 | | |
| Frank Gilbride | " | Jan. 21, 1896 | 6 00 | | |
| Wm. Stott & Co | " | 21, 1896 | 6 00 | | |
| | | June 18, 1896 | 6 00 | | |
| Thos. Garrity | " | Jan. 22, 1896 | 6 00 | | |
| Jos. Meagher | " | 22, 1896 | 6 00 | | |
| | | June 18, 1896 | 6 00 | | |
| Jean Howe & Wm. George | " | Jan. 22, 1896 | 6 00 | | |
| Geo. Burt | " | 22, 1896 | 6 00 | | |
| Jas. Heather | " | Jan. 18, 1896 | 6 00 | | |
| | | Jan. 22, 1896 | 6 00 | | |
| Geo. R. Blair | " | Jan. 18, 1896 | 6 00 | | |
| John Telfer | " | 22, 1896 | 6 00 | | |
| A. W. Telfer & Son | " | 25, 1896 | 6 00 | | |
| | | June 19, 1896 | 6 00 | | |
| Mattheson & Hegler Zinc Co. | LaSalle | Jan. 28, 1896 | 8 00 | May 8 | 8 00 |
| | | May 15, 1896 | 8 00 | | |
| Marseilles Land and Water | Marseilles | Feb. 4, 1896 | 6 00 | | |
| Power Co. | Seneca | 5, 1896 | 6 00 | | |
| Standard Coal Co. | Rutland | 11, 1896 | 8 00 | | |
| Emerson Haikes | | May 20, 21, 1896 | 8 00 | | |
| Walton Bros | Fairbury | Feb. 13, 1896 | 6 00 | | |
| | | May 26, 1896 | 6 00 | | |
| Coöperative Coal Co. | " | Feb. 14, 1896 | 6 00 | | |
| | | May 26, 1896 | 6 00 | | |
| Wm. Burrell (P. O. Streator) | South Streator | Feb. 17, 1896 | 6 00 | | |
| Jesse Massey & Sons (P. O. Streator) | " | " 18, 1896 | 6 00 | | |
| D. W. Thom (P. O. Streator) | " | " 19, 1896 | 6 00 | | |
| John Myers & John Castetter (P. O. Streator) | West Streator | " 20, 1896 | 6 00 | | |
| Robt. Haswell (P. O. Streator) | " | " 20, 1896 | 6 00 | | |
| Benj. Davis, No. 2 | Coalville | " 21, 1896 | 6 00 | | |
| No. 1 | | May 27, 1896 | 6 00 | | |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection, | Amount of Fee. | FEES PAID. | |
|--|--------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Sylvester-Kimes (P. O. Strea- tor) | Coalville..... | Feb. 21, 1896 | \$6 00 | ..... | ..... |
| Sylvester-Kimes (P. O. Strea- tor) | " | May 22, 1896 | 6 00 | ..... | ..... |
| Thos. Edwards, No. 2..... | " | Feb. 21, 1896 | 6 00 | ..... | ..... |
| 1..... | " | May 22, 1896 | 6 00 | ..... | ..... |
| R. B. Lyon, No. 1..... | West Streator.... | Feb. 24, 1896 | 6 00 | ..... | ..... |
| Frank Hurst (P. O. Streater).. | Prairie Creek | Mar. 2, 1896 | 6 00 | ..... | ..... |
| Thos. Treasure..... | Essex..... | 10, 1896 | 6 00 | ..... | ..... |
| Harry Crew (P. O. Streater)... | North Streater... | " 16, 1896 | 6 00 | ..... | ..... |
| Geo. W. Galloway & Chas. P. Hinze (P. O. Streater)..... | Prairie Creek | " 16, 1896 | 6 00 | ..... | ..... |
| John Bace & John Roberts.... | Streator | " 17, 1896 | 6 00 | ..... | ..... |
| Sowerby Bros..... | " | " 17, 1896 | 6 00 | ..... | ..... |
| Fred Yates..... | " | " 27, 1896 | 6 00 | ..... | ..... |
| Eagle Clay Works..... | " | April 6, 1896 | 6 00 | ..... | ..... |
| R. Evans & Sons | Pontiac..... | May 4, 1896 | 8 00 | ..... | ..... |
| John Penman..... | Coalville..... | " 27, 1896 | 6 00 | ..... | ..... |

FINANCIAL STATEMENT.

Report of Inspection of Mines, Showing Number of Inspections Made. Amounts Charged and Money Received for Year ending July 1, 1896—Second Inspection District.

CHAS. DUNCAN, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Kewanee Coal Co. | Kewanee..... | Oct. 29, 1895 | \$8 00 | | |
| " " No. 7..... | " "..... | Nov. 11, 1895 | 8 00 | | |
| " " No. 7..... | " "..... | Feb. 21, 1896 | 8 00 | | |
| " " No. 1..... | " "..... | April 3, 1896 | 8 00 | | |
| Herdien Coal Co. | Galva..... | Oct. 30, 1895 | 6 00 | | |
| " "..... | " "..... | Nov. 1, 1895 | 6 00 | | |
| " "..... | " "..... | Mar. 5, 1896 | 6 00 | | |
| " "..... | " "..... | April 20, 1896 | 6 00 | | |
| J. H. Murray..... | " "..... | Oct. 30, 1895 | 6 00 | Jan. 22.. | \$6 00 |
| " "..... | " "..... | Mar. 5, 1896 | 6 00 | | |
| Gray Eagle Coal Co. | " "..... | Oct. 31, 1895 | 6 00 | | |
| " "..... | " "..... | Mar. 26, 1896 | 6 00 | | |
| Spring Valley Coal Co., No. 4.. | Spring Valley..... | Nov. 5, 1895 | 10 00 | Mar. 10.. | 10 00 |
| " " No. 2.. | " "..... | 6, 7, 1895 | 10 00 | 10.. | 10 00 |
| " " No. 3.. | " "..... | 19, 20, 1895 | 10 00 | 10.. | 10 00 |
| " " No. 2.. | " "..... | Jan. 14, 1896 | 10 00 | | |
| " " No. 3.. | " "..... | Feb. 12, 1896 | 10 00 | | |
| " " No. 2.. | " "..... | April 23, 1896 | 10 00 | | |
| " " No. 3.. | " "..... | June 17, 1896 | 10 00 | | |
| Jas. Fairlie..... | Cambridge..... | Nov. 12, 1895 | 6 00 | Jan. 25.. | 6 00 |
| " "..... | " "..... | Mar. 27, 1896 | 6 00 | | |
| Black Diamond Coal Co., slope | Coal Valley..... | Nov. 13, 1895 | 6 00 | | |
| " " No. 1.. | Canton..... | Oct. 30, 1895 | 6 00 | | |
| " "..... | Coal Valley..... | Mar. 6, 1896 | 6 00 | | |
| " "..... | " "..... | June 27, 1896 | 6 00 | | |
| Robert Summerson..... | " "..... | Nov. 13, 1895 | 6 00 | | |
| Benj. Lewis..... | " "..... | " 13, 1895 | 6 00 | | |
| Wilkinson & Summerson..... | " "..... | " 14, 1895 | 6 00 | | |
| John J. Pryce..... | " "..... | " 14, 1895 | 6 00 | Jan. 31.. | 6 00 |
| " "..... | " "..... | April 6, 1896 | 6 00 | | |
| Wm. Parker..... | Milan..... | Nov. 14, 1895 | 6 00 | | |
| David Walsh..... | " "..... | " 14, 1895 | 6 00 | | |
| Marquette Coal Co. | Marquette..... | " 21, 1895 | 10 00 | Mar. 2.. | 10 00 |
| " "..... | " "..... | Feb. 13, 1896 | 10 00 | | |
| " "..... | " "..... | June 11, 1896 | 10 00 | | |
| Alden Coal Co. | Wanlock..... | Nov. 25, 1895 | 10 00 | | |
| " "..... | " "..... | Mar. 2, 1896 | 10 00 | | |
| Empire Coal Co. | Gilchrist..... | Nov. 26, 1895 | 10 00 | | |
| " "..... | " "..... | Mar. 3, 1896 | 8 00 | | |
| W. H. Lyle..... | Kewanee..... | Nov. 29, 1895 | 6 00 | Jan. 27.. | 6 00 |
| Henry Bros..... | " "..... | 29, 1895 | 6 00 | May 6.. | 6 00 |
| " "..... | " "..... | Mar. 23, 1896 | 6 00 | 6.. | 6 00 |
| W. E. Phelps, No. 5..... | Elmwood..... | Dec. 2, 1895 | 8 00 | Jan. 27.. | 8 00 |
| John A. Endres..... | " "..... | " 3, 1895 | 6 00 | | |
| John P. Boland..... | " "..... | " 3, 1895 | 6 00 | | |
| Howorth & Taylor..... | Edwards..... | " 3, 1895 | 6 00 | | |
| C. B. Kramm & Bro..... | " "..... | " 3, 1895 | 6 00 | | |
| " "..... | " "..... | Mar. 10, 1896 | 6 00 | | |
| M. Cusack..... | Cramm Station..... | Dec. 4, 1895 | 6 00 | | |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|----------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Wantling & Son | Pottstown | Dec. 4, 1895 | \$6 00 | | |
| Thos. Wantling | " | 4, 1895 | 6 00 | | |
| Isaac Wantling | " | 4, 1895 | 6 00 | | |
| Vicary Bros. | Peoria | Mar. 10, 1896 | 6 00 | | |
| Richard Muir | " | Dec. 5, 1895 | 6 00 | | |
| Richard Kief | " | May 25, 1896 | 6 00 | | |
| Martin & Lane Bros. | " | Dec. 5, 1895 | 6 00 | | |
| John Glenn | " | " 5, 1895 | 6 00 | | |
| Richard Cody | " | " 5, 1895 | 6 00 | | |
| Fred Martin | " | " 5, 1895 | 6 00 | | |
| Wenona Coal Co. | Wenona | " 10, 1895 | 8 00 | | |
| Roanoke Mining Co. | Roanoke | Mar. 18, 1896 | 8 00 | | |
| | | Dec. 11, 1895 | 10 00 | Jan. 20 | \$10 00 |
| | | Apr. 22, 1895 | 8 00 | | |
| Chicago and Minonk Coal and Tile Co. | Minonk | Dec. 12, 1895 | 10 00 | | |
| Chicago and Minonk Coal and Tile Co. | " | Mar. 12, 13, 1896 | 10 00 | | |
| Devlin Coal Co. | Toluea | Dec. 16, 17, 1895 | 10 00 | Feb. 8 | 10 00 |
| " No. 1 | " | Mar. 19, 1896 | 10 00 | | |
| " No. 2 | " | 19, 1896 | 8 00 | | |
| Nathan Shaw | Kramm Station | Dec. 24, 1895 | 6 00 | | |
| Newsam Bros. | Maxwell | Dec. 23, 1895 | 6 00 | | |
| " | Kingston Mines | Jan. 3, 1896 | 8 00 | | |
| " | " | Mar. 16, 17, 1896 | 8 00 | | |
| " | LaMarsh Creek | May 15, 1896 | 6 00 | | |
| " | Peoria | May 11, 1896 | 6 00 | | |
| C. W. & V. | Seatonville | Nov. 22, 1895 | 10 00 | | |
| " | " | Feb. 19, 1896 | 10 00 | | |
| " | " | June 12, 1896 | 10 00 | | |
| Peter Grant | Peoria | Jan. 2, 1896 | 6 00 | | |
| Royster Bros. | " | Jan. 2, 1896 | 6 00 | | |
| Coal Valley Coal Co. | No. 2 Sherrard | Jan. 6, 1896 | 8 00 | Feb. 18 | 8 00 |
| " No. 1 | Cable | Jan. 7, 1896 | 10 00 | 18 | 10 00 |
| " No. 1 | " | Apr. 14, 1896 | 10 00 | | |
| " No. 2 | Sherrard | Apr. 15, 1896 | 10 00 | | |
| Bryan B. Peterson | Cable | Jan. 7, 1896 | 6 00 | | |
| Hill Bros. | " | Jan. 8, 1896 | 6 00 | | |
| Lilliman Bros. | " | " 8, 1896 | 6 00 | | |
| James Higbee | Wyoming | Jan. 20, 1896 | 6 00 | | |
| A. W. Higbee | " | " 20, 1896 | 6 00 | | |
| Joseph Swanson | " | " 20, 1896 | 6 00 | | |
| Robinson Bros. | " | " 20, 1896 | 6 00 | | |
| J. E. Williamson | Sheffield | Jan. 22, 1896 | 6 00 | | |
| Peter Duncan | " | May 4, 1896 | 6 00 | | |
| Sheffield Mining Co. | " | Jan. 22, 1896 | 6 00 | | |
| " | " | Jan. 23, 1896 | 6 00 | May 8 | 6 00 |
| " | " | May 6, 1896 | 6 00 | | |
| John Duncan | " | Jan. 23, 1896 | 6 00 | | |
| Clara Sprague, adm. | " | Jan. 20, 1896 | 6 00 | | |
| Silas Riley | Neponset | Jan. 24, 1896 | 6 00 | | |
| Paul & Collins | Mineral | " 24, 1896 | 6 00 | | |
| Fred Jensen | " | " 24, 1896 | 6 00 | | |
| McCullough & Brandt | " | " 24, 1896 | 6 00 | | |
| George Heathcock | Princeton | Jan. 25, 1896 | 6 00 | | |
| A. W. Walton | " | " 25, 1896 | 6 00 | | |
| Wm. Smith & Sons | " | " 25, 1896 | 6 00 | | |
| Ed Brost | Peoria | Jan. 27, 1896 | 6 00 | | |
| W. J. White | " | " 27, 1896 | 6 00 | | |
| Sparland Coal Co. | Sparland | Jan. 30, 1896 | 6 00 | | |
| " | " | May 21, 1896 | 6 00 | | |
| Robt. Ingram | " | Jan. 30, 1896 | 6 00 | | |
| W. E. Frisbee | " | " 30, 1896 | 6 00 | | |
| Bartonville Coal Co. | Bartonville | " 31, 1896 | 6 00 | | |
| Collier Cooperative Coal Co. | " | " 31, 1896 | 6 00 | | |
| Hanna City Coal Co. | Hanna City | Feb. 4, 1896 | 6 00 | | |
| Reid City Coal & Mining Co. | " | " | | | |
| P. O. Peoria | Wolecott | " 5, 1896 | 6 00 | | |
| W. E. Foley | Mapleton | " 5, 1896 | 6 00 | | |
| E. Wolland & Bro. | Bartonville | " 6, 1896 | 6 00 | | |
| Frank P. Schmidt & Sons | Peoria | " 6, 1896 | 6 00 | | |
| Bail Coal Co. | Bartonville | " 6, 1896 | 6 00 | | |
| Bernard Kirley | Kewanee | " 10, 1896 | 6 00 | | |
| Bates Bros. | " | " 19, 1896 | 6 00 | | |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|---------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| John Mowbray..... | Atkinson..... | Feb. 13, 1896 | \$6 00 | | |
| Richard Marley..... | "..... | " 13, 1896 | 6 00 | June 9 | \$6 00 |
| James Kay..... | "..... | " 13, 1896 | 6 00 | | |
| Frank Lowery..... | Orchard Mines..... | " 24, 1896 | 6 00 | | |
| Sholl Bros., P. O. Peoria..... | Hollis..... | " 25, 1896 | 6 00 | | |
| Wolsehlag Bros., P. O. Peoria..... | "..... | May 29, 1896 | 6 00 | | |
| Jos. Scholl & Sons..... | Peoria..... | Feb. 25, 1896 | 6 00 | | |
| Keller & Son..... | Peoria..... | " 26, 1896 | 6 00 | | |
| Fred Mohr..... | Bartonville..... | " 26, 1896 | 6 00 | | |
| Ed Boden..... | Peoria..... | " 27, 1896 | 6 00 | | |
| Thos. Docherty & Sons..... | Preemption..... | Mar. 3, 1896 | 6 00 | | |
| Edward Carter, P. O. Peoria..... | Wesley..... | " 3, 1896 | 6 00 | | |
| Elmwood Coal Co..... | Elmwood..... | Feb. 24, 1896 | 8 00 | | |
| J. W. Miller..... | Pottstown..... | May 29, 1896 | 8 00 | | |
| Daniel Birdoes..... | Peoria..... | Mar. 9, 1896 | 8 00 | May 25 | 8 00 |
| Leo Sneider..... | "..... | " 10, 1896 | 6 00 | | |
| Joos & Rumpfle..... | "..... | " 11, 1896 | 6 00 | | |
| John J. Snape..... | "..... | " 11, 1896 | 6 00 | | |
| Wm. Cook..... | "..... | " 11, 1896 | 6 00 | | |
| Jefford Bros..... | Kingston Mines..... | " 11, 1896 | 6 00 | | |
| Robt. Taylor..... | Princeville..... | " 16, 1896 | 6 00 | | |
| Herman Henry..... | Kewanee..... | " 20, 1896 | 6 00 | | |
| Messmore & Anderson..... | "..... | " 25, 1896 | 6 00 | | |
| Geo. R. Watson..... | Wyoming..... | " 25, 1896 | 6 00 | | |
| Harry Storey..... | "..... | April 7, 1896 | 6 00 | | |
| Peter Herberger..... | "..... | " 7, 1896 | 6 00 | | |
| Zadoc Wynn..... | Coal Valley..... | " 7, 1896 | 6 00 | | |
| Fred Vonach..... | Hampton..... | " 9, 1896 | 6 00 | | |
| John Catton..... | West Jersey..... | " 10, 1896 | 6 00 | | |
| Chas. Berg..... | LaFayette..... | " 13, 1896 | 6 00 | | |
| Campbell Creek Coal Co..... | Cable..... | " 13, 1896 | 6 00 | | |
| Silvis & Silvis..... | Carbon Cliff..... | " 14, 1896 | 6 00 | | |
| Jamieson Coal Co..... | Loding..... | " 16, 1896 | 6 00 | | |
| Mrs. John Loding..... | "..... | " 16, 1896 | 6 00 | | |
| John Hynd..... | "..... | " 16, 1896 | 6 00 | | |
| Orpheus Kenmerling..... | Hawley..... | " 16, 1896 | 6 00 | | |
| Jesse Savill..... | Modena..... | " 17, 1896 | 6 00 | | |
| John Scott..... | "..... | " 27, 1896 | 6 00 | | |
| Daniel Phenix..... | Bradford..... | " 27, 1896 | 6 00 | | |
| Henry Green..... | Osceola..... | " 27, 1896 | 6 00 | | |
| Orlando Libby..... | Elmira..... | " 28, 1896 | 6 00 | | |
| Robt. Casey..... | Lombardville..... | May 28, 1896 | 6 00 | | |
| Hansen & Olsen..... | Sheffield..... | " 4, 1896 | 6 00 | | |
| Wm. Riley..... | Atkinson..... | " 4, 1896 | 6 00 | | |
| Philip Tutty..... | Brimfield..... | " 6, 1896 | 6 00 | | |
| W. G. Saunders..... | "..... | " 12, 1896 | 6 00 | | |
| Henry Heinz..... | Kickapoo..... | " 12, 1896 | 6 00 | | |
| Stoddard & Barr..... | Coal Valley..... | " 13, 1896 | 6 00 | | |
| Ferguson & Jones..... | Chenoa..... | " 28, 1896 | 6 00 | | |
| Petersburg Coöperative Coal Co..... | Petersburg..... | " 6, 1896 | 6 00 | | |
| | | " 18, 1896 | 6 00 | | |

FINANCIAL STATEMENT.

Report of Inspection of Mines, Showing Number of Inspections Made, Amounts Charged and Money Received for Year Ending July 1, 1896.—Third Inspection District.

ROBT. PICKETT, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|------------------|---------------------|-------------------|------------|---------|
| | | | | Date. | Amount. |
| H. Stickler..... | Canton..... | Oct. 30, 1895 | \$6 00 | | |
| | | April 11, 1895 | 6 00 | | |
| Oscar Waddell..... | Clinton..... | Oct. 30, 1895 | 6 00 | | |
| Owens & Timothy..... | Canton..... | " 30, 1895 | 6 00 | | |
| P. Lunden..... | "..... | " 30, 1895 | 6 00 | | |
| Canton Coal Co..... | "..... | " 31, 1895 | 6 00 | | |
| "..... | "..... | Jan. 27, 1896 | 6 00 | | |
| "..... | "..... | May 22, 1896 | 6 00 | | |
| Peterson & Dawson..... | "..... | Oct. 31, 1895 | 6 00 | | |
| Gardner & Plenty..... | "..... | Nov. 1, 1895 | 6 00 | | |
| | "..... | April 11, 1896 | 6 00 | | |
| W. B. Hughs & Son..... | "..... | Nov. 1, 1895 | 6 00 | | |
| M. C. Scanlan..... | "..... | " 1, 1895 | 6 00 | Feb. 4... | \$6 00 |
| Wm. Whitham..... | "..... | " 1, 1895 | 6 00 | | |
| Chas. Minnett..... | "..... | " 1, 1895 | 6 00 | | |
| Lewis Memmen..... | "..... | " 2, 1895 | 6 00 | | |
| Patrick Meahan..... | Breeds..... | " 2, 1895 | 6 00 | | |
| | | Feb. 8, 1896 | 6 00 | | |
| Joseph Haywood..... | Canton..... | Nov. 2, 1895 | 6 00 | | |
| Whitebreast Fuel Co., C..... | Dunfermline..... | " 4, 1895 | 10 00 | | |
| "..... | D..... | " 5, 1895 | 8 00 | | |
| "..... | B..... | Ladd..... | Dec. 19, 20, 1895 | 10 00 | |
| "..... | D..... | St. David..... | Jan. 24, 1896 | 8 00 | |
| "..... | C..... | Dunfermline..... | " 28, 1896 | 10 00 | |
| "..... | B..... | Ladd..... | Mar. 23, 24, 1896 | 10 00 | |
| "..... | C..... | Dunfermline..... | April 13, 1896 | 10 00 | |
| "..... | D..... | St. David..... | " 17, 1896 | 8 00 | |
| "..... | B..... | Ladd..... | June 19, 1896 | 10 00 | |
| Carbon Coal Co..... | St. David..... | Nov. 5, 1895 | 6 00 | | |
| "..... | "..... | Jan. 23, 1896 | 8 00 | | |
| "..... | "..... | April 14, 1896 | 8 00 | | |
| D. H. Williams..... | Norris..... | Nov. 6, 1895 | 8 00 | | |
| "..... | "..... | Feb. 7, 1896 | 8 00 | | |
| "..... | "..... | April 1, 1896 | 8 00 | | |
| John M. Laws..... | Cuba..... | Nov. 7, 1895 | 6 00 | | |
| "..... | "..... | Jan. 22, 1896 | 6 00 | | |
| "..... | "..... | April 20, 1896 | 6 00 | | |
| W. Rutherford & Co..... | "..... | Nov. 7, 1895 | 6 00 | | |
| "..... | "..... | Jan. 22, 1896 | 6 00 | | |
| "..... | "..... | May 21, 1896 | 6 00 | | |
| Wm. Nicholson & Son..... | "..... | Nov. 7, 1895 | 6 00 | Jan. 22... | 6 00 |
| "..... | "..... | Jan. 22, 1896 | 6 00 | | |
| "..... | "..... | April 20, 1896 | 6 00 | | |
| Bartlett & Bradley..... | "..... | Nov. 7, 1895 | 6 00 | | |
| Turner Bros..... | Lewistown..... | " 8, 1895 | 6 00 | | |
| | | Feb. 5, 1896 | 6 00 | | |
| Isaac Bath..... | "..... | Nov. 8, 1895 | 6 00 | | |
| Robt. Roddis & Son..... | Ipava..... | " 8, 1895 | 6 00 | | |
| "..... | "..... | May 11, 1896 | 6 00 | | |
| W. Willock..... | Astoria..... | Nov. 9, 1895 | 6 00 | | |
| John Dimond & Son..... | "..... | " 9, 1895 | 6 00 | Feb. 3... | 6 00 |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|-------------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Astoria Coal Mining Co..... | Astoria..... | Nov. 9, 1895 | \$8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 6, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 14, 1896 | 6 00 | | |
| Maplewood Coal Mining Co..... | Peoria..... | Nov. 11, 1895 | 8 00 | | |
| " " " " " " " " " " " " | Farmington..... | Jan. 29, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | April 15, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 17, 1896 | 6 00 | | |
| Sunday Creek Coal Mining Co..... | " " " " " " " " " " " " | Nov. 11, 1895 | 6 00 | March 12 | \$6 00 |
| " " " " " " " " " " " " | Middle Grove..... | " " 12, 1895 | 8 00 | " 12 | 8 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 14, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 19, 1896 | 6 00 | | |
| Picton, Emmons & Co..... | Farmington..... | Nov. 11, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Jan. 30, 1896 | 6 00 | | |
| Cline & Sons..... | London Mills..... | Nov. 12, 1895 | 6 00 | Jan. 30 | 6 00 |
| John Abbadusky..... | Fairview..... | " " 13, 1895 | 6 00 | " 27 | 6 00 |
| H. Tompkins..... | " " " " " " " " " " " " | " " 13, 1895 | 6 00 | Feb. 1 | 6 00 |
| Peter Clary..... | " " " " " " " " " " " " | " " 13, 1895 | 6 00 | " 3 | 6 00 |
| Charles Savill..... | Canton..... | Oct. 31, 1895 | 6 00 | | |
| S. A. Dray..... | Fairview..... | Nov. 13, 1895 | 6 00 | | |
| D. Marvell..... | " " " " " " " " " " " " | " " 13, 1895 | 6 00 | | |
| Samuel Parr..... | " " " " " " " " " " " " | " " 13, 1895 | 6 00 | | |
| John Fulmor..... | " " " " " " " " " " " " | " " 13, 1895 | 6 00 | | |
| Henry Richter..... | Soperville..... | " " 14, 1895 | 6 00 | | |
| George W. Essex..... | " " " " " " " " " " " " | " " 14, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 14, 1896 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 5, 1896 | 6 00 | | |
| Reed & Pendergast..... | " " " " " " " " " " " " | Nov. 14, 1895 | 6 00 | | |
| Simpson & Sons..... | " " " " " " " " " " " " | " " 14, 1895 | 6 00 | | |
| James Nelson..... | Knoxville..... | " " 15, 1895 | 6 00 | Jan. 25 | 6 00 |
| M. R. Brown..... | " " " " " " " " " " " " | " " 15, 1895 | 6 00 | | |
| W. H. Johnson..... | Appleton..... | " " 15, 1895 | 6 00 | | |
| William Fish..... | " " " " " " " " " " " " | " " 15, 1895 | 6 00 | | |
| Bowman Bros..... | Yates City..... | " " 16, 1895 | 6 00 | | |
| Cummings & Grove..... | Rushville..... | " " 16, 1895 | 6 00 | | |
| Kerr & Williams..... | " " " " " " " " " " " " | " " 19, 1895 | 6 00 | | |
| Rufus Porter..... | Ray..... | " " 19, 1895 | 6 00 | Jan. 22 | 6 00 |
| C. J. Chapman..... | " " " " " " " " " " " " | " " 19, 1895 | 6 00 | | |
| John Fry..... | " " " " " " " " " " " " | " " 19, 1895 | 6 00 | | |
| A. Winner..... | " " " " " " " " " " " " | " " 19, 1895 | 6 00 | | |
| J. S. Kirkbride..... | Vermont..... | " " 20, 1895 | 6 00 | | |
| J. C. Kirkbride..... | " " " " " " " " " " " " | " " 20, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | April 28, 1896 | 6 00 | | |
| John Mitchell..... | " " " " " " " " " " " " | Nov. 20, 1895 | 6 00 | | |
| Arthur Geer & Co..... | " " " " " " " " " " " " | " " 20, 1895 | 6 00 | | |
| Charles Wilson..... | Table Grove..... | " " 21, 1895 | 6 00 | | |
| John Woodford..... | " " " " " " " " " " " " | " " 21, 1895 | 6 00 | | |
| Leonard Hoopes..... | " " " " " " " " " " " " | " " 21, 1895 | 6 00 | | |
| Canton Union Coal Co..... | Canton..... | Oct. 30, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Dec. 5, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | April 6, 1896 | 6 00 | | |
| Samuel Hopper..... | Knoxville..... | Dec. 15, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Nov. 17, 1895 | 6 00 | | |
| Lundeen & Sholeen..... | " " " " " " " " " " " " | Dec. 15, 1895 | 6 00 | Feb. 10 | 6 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Nov. 17, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 15, 1895 | 6 00 | | |
| Lewis Nelson..... | Yates City..... | Nov. 15, 1895 | 6 00 | | |
| Lewis Tell..... | Vermont..... | " " 20, 1895 | 6 00 | | |
| Quincy Coal Co., No. 36..... | Quincy..... | " " 29, 1895 | 8 00 | Feb. 5 | 8 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 18, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 8, 1896 | 8 00 | | |
| Egerton Coal Co..... | Colchester..... | Nov. 30, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 18, 1896 | 6 00 | | |
| Colchester Coal and Mining Co..... | " " " " " " " " " " " " | Nov. 30, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 18, 1896 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 8, 1896 | 6 00 | | |
| John Heland & Co..... | Augusta..... | Dec. 2, 1895 | 6 00 | | |
| J. W. Marks..... | " " " " " " " " " " " " | " " 2, 1895 | 6 00 | Jan. 21 | 6 00 |
| Patrick Doyle..... | " " " " " " " " " " " " | " " 2, 1895 | 6 00 | " 25 | 6 00 |
| M. F. Ray..... | " " " " " " " " " " " " | " " 2, 1895 | 6 00 | | |
| Meredith Bros Co..... | " " " " " " " " " " " " | " " 2, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 25, 1896 | 6 00 | | |
| Foraker & Murray..... | Marietta..... | Dec. 3, 1895 | 6 00 | | |
| Theodore Anderson..... | " " " " " " " " " " " " | " " 3, 1895 | 6 00 | | |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|-----------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| James Lloyd..... | Canton..... | Dec. 6, 1895 | \$6 00 | | |
| Thomas Waremouth..... | Youngstown..... | " 10, 1895 | 6 00 | | |
| W. R. Thomas & Co..... | " | " 10, 1895 | 6 00 | | |
| Samuel White..... | Roseville..... | " 10, 1895 | 6 00 | | |
| Bird Lievrance Co..... | " | " 11, 1895 | 6 00 | | |
| Harry Little..... | " | " 11, 1895 | 6 00 | Dec. 11 | \$6 00 |
| | | June 27, 1896 | 6 00 | | |
| Gilroy & Selkirk..... | Monmouth..... | Dec. 11, 1895 | 6 00 | | |
| John Simcox..... | Alexis..... | " 12, 1895 | 6 00 | | |
| William Cook Co..... | " | " 12, 1895 | 6 00 | | |
| C. F. McCartney Co..... | " | " 12, 1895 | 6 00 | | |
| | | May 6, 1896 | 6 00 | | |
| H. Taylor Co..... | Wataga..... | Dec. 17, 1895 | 6 00 | | |
| " | " | March 18, 1896 | 6 00 | | |
| " | " | June 16, 1896 | 6 00 | | |
| J. N. Tyler..... | Morris..... | Jan. 4, 1896 | 6 00 | | |
| Cyrus Walck..... | Norris..... | " 4, 1896 | 6 00 | | |
| W. H. Roseboom..... | " | " 4, 1896 | 6 00 | | |
| Henry Bell..... | " | " 5, 1896 | 6 00 | | |
| Nathaniel Peterson..... | Breeds..... | " 6, 1896 | 6 00 | | |
| Charles Snyder..... | Banner..... | " 6, 1896 | 6 00 | | |
| Fred Neusseker..... | Avon..... | " 8, 1896 | 6 00 | | |
| LaFayette Smith..... | " | " 8, 1896 | 6 00 | | |
| Thomas Caldwell..... | " | " 8, 1896 | 6 00 | | |
| Henry Chatterton..... | " | " 9, 1896 | 6 00 | | |
| Patrick Henry Tanner..... | " | " 9, 1896 | 6 00 | | |
| Cunningham & Fullerton..... | " | " 9, 1896 | 6 00 | | |
| Fred Steinegger..... | " | " 9, 1896 | 6 00 | | |
| Willis Clayton..... | " | " 9, 1896 | 6 00 | | |
| Leslie Loperman..... | Rapatee..... | " 11, 1896 | 6 00 | | |
| Able DeWitt..... | " | " 11, 1896 | 6 00 | | |
| E. M. Morris..... | " | " 11, 1896 | 6 00 | | |
| James Taylor..... | Wataga..... | " 14, 1896 | 6 00 | | |
| J. A. Anderson..... | " | " 14, 1896 | 6 00 | | |
| James McGovern..... | Oneida..... | " 14, 1896 | 6 00 | May 6 | 6 00 |
| Charles Morgan..... | " | " 14, 1896 | 6 00 | | |
| George Clifford, No. 1..... | " | " 15, 1896 | 6 00 | Feb. 21 | 6 00 |
| No. 2..... | " | " 15, 1896 | 6 00 | 21 | 6 00 |
| N. Anderson..... | Wataga..... | " 15, 1896 | 6 00 | | |
| | | June 16, 1896 | 6 00 | | |
| William P. Saggett..... | Breeds..... | Feb. 4, 1896 | 6 00 | | |
| Lewistown Coal Co..... | Lewistown..... | " 5, 1896 | 6 00 | | |
| | | May 1, 1896 | 6 00 | | |
| Jacob Bath..... | Cuba..... | Feb. 13, 1896 | 6 00 | | |
| Gordon & Bush..... | Monmouth..... | " 17, 1896 | 6 00 | | |
| Ole Waddell..... | Tennessee..... | " 18, 1896 | 6 00 | | |
| Fergo Whalen..... | " | " 18, 1896 | 6 00 | | |
| John Lowery..... | Colchester..... | " 19, 1896 | 6 00 | | |
| Luke Stone..... | " | " 19, 1896 | 6 00 | | |
| J. B. Wall..... | " | " 19, 1896 | 6 00 | | |
| S. J. Breynt..... | " | " 19, 1896 | 6 00 | | |
| Godfrey & Booth..... | " | " 19, 1896 | 6 00 | | |
| Kessler, Stevens & Green Bros..... | " | " 19, 1896 | 6 00 | | |
| D. B. Sherlin..... | " | " 20, 1896 | 6 00 | | |
| L. H. Vest..... | " | " 20, 1896 | 6 00 | | |
| W. G. Stoke & Co..... | Leaman..... | March 2, 1896 | 6 00 | | |
| Richard Blagden..... | " | " 2, 1896 | 6 00 | | |
| Newton Brush..... | Marietta..... | " 2, 1896 | 6 00 | | |
| Lewis Huff..... | " | " 2, 1896 | 6 00 | | |
| Ross & Wadword..... | Soperville..... | " 4, 1896 | 6 00 | | |
| Samuel Jones..... | Augusta..... | " 11, 1896 | 6 00 | | |
| Thomas Johnson..... | Victoria..... | " 12, 1896 | 6 00 | | |
| David Grimm..... | " | " 12, 1896 | 6 00 | | |
| C. G. Bangston..... | Wataga..... | " 18, 1896 | 6 00 | | |
| Lewis Whittles..... | Bernadotte..... | " 18, 1896 | 6 00 | | |
| Peter Dolan..... | Wataga..... | " 18, 1896 | 6 00 | | |
| Schuyler Williams..... | Bernadotte..... | " 19, 1895 | 6 00 | | |
| S. Moore & S. Gregory..... | Frederick..... | " 20, 1896 | 6 00 | | |
| C. J. Pickering..... | Table Grove..... | " 19, 1896 | 6 00 | May 11 | 6 00 |
| H. Wetmore..... | Frederick..... | " 20, 1896 | 6 00 | | |
| Peter Kittle..... | New Philadelphia..... | " 23, 1896 | 6 00 | | |
| James Foster..... | " | " 23, 1896 | 6 00 | | |
| Wilson & Buley..... | " | " 23, 1896 | 6 00 | | |
| W. M. Ealy..... | " | " 23, 1896 | 6 00 | | |
| Joseph Clark..... | " | " 23, 1896 | 6 00 | | |

Financial Statement—Third District—Concluded.

| Name of Firm, Company or Persons Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|------------------------|-------------------|------------|---------|
| | | | | Date. | Amount. |
| John Scherky..... | New Philadelphia | March 23, 1896 | \$6 00 | ..... | ..... |
| Chas. Enger..... | Golden..... | " 24, 1896 | 6 00 | ..... | ..... |
| C. Teel..... | Industry..... | " 25, 1896 | 6 00 | ..... | ..... |
| Frank Burdick..... | "..... | " 25, 1896 | 6 00 | ..... | ..... |
| Wilson & Foster..... | Blendensville..... | April 3, 1896 | 6 00 | ..... | ..... |
| A. L. Renean..... | Bushnell..... | " 4, 1896 | 6 00 | ..... | ..... |
| Wm. Baker..... | Industry..... | March 25, 1896 | 6 00 | ..... | ..... |
| Chas. Shaw..... | Fulton..... | Feb. 13, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | May 12, 1896 | 6 00 | ..... | ..... |
| Farmington Coal Co..... | Farmington..... | April 15, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 29, 1896 | 6 00 | ..... | ..... |
| John F. Weir..... | Yates City..... | April 27, 1896 | 6 00 | ..... | ..... |
| John Kerr..... | Rushville..... | " 27, 1896 | 6 00 | ..... | ..... |
| Leroy Casler..... | Lewistown..... | May 1, 1896 | 6 00 | ..... | ..... |
| Z. P. Dudley..... | Knoxville..... | June 18, 1896 | 6 00 | ..... | ..... |
| Peter Linback..... | Wataga..... | " 16, 1896 | 6 00 | ..... | ..... |
| A. Wedmore..... | Frederick..... | " 20, 1896 | 6 00 | ..... | ..... |
| Theo. Pumyea..... | Fairview..... | " 22, 1896 | 6 00 | ..... | ..... |
| R. E. Gould & Co..... | "..... | " 22, 1896 | 6 00 | ..... | ..... |
| Aylsworth & Brown..... | "..... | " 22, 1896 | 6 00 | ..... | ..... |
| A. Y. Welsh..... | Monmouth..... | " 26, 1896 | 6 00 | ..... | ..... |
| Abraham Bath..... | St. David..... | " 30, 1896 | 6 00 | ..... | ..... |
| Leonard Snyder..... | "..... | " 30, 1896 | 6 00 | ..... | ..... |
| Wm. Jordan & Son..... | "..... | " 30, 1896 | 6 00 | ..... | ..... |

FINANCIAL STATEMENT.

Report of Inspection of Mines, Showing Number of Inspections made, Amounts charged and Money Received for the Year Ending July 1, 1896—Fourth Inspection District.

H. E. MALLOY, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|------------------|---------------------|----------------|--------------|---------|
| | | | | Date. | Amount. |
| Con. Coal Co., No. 4..... | Danville..... | Nov. 11, 1895 | \$10 00 | ..... | ..... |
| " Fairmount..... | Fairmount..... | 12, 1895 | 8 00 | ..... | ..... |
| " Mission Field... | Danville..... | " 15, 1895 | 8 00 | ..... | ..... |
| " Fairmount..... | Fairmount..... | Jan. 15, 1896 | 8 00 | ..... | ..... |
| " No. 4..... | Danville..... | " 16, 1896 | 10 00 | ..... | ..... |
| "..... | Tilton..... | April 9, 1896 | 10 00 | ..... | ..... |
| " Fairmount..... | Fairmount..... | " 23, 1896 | 8 00 | ..... | ..... |
| D. P. Wilson, No. 1..... | Grape Creek..... | Oct. 28, 1895 | 6 00 | ..... | ..... |
| " No. 4..... | "..... | Jan. 8, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 6, 1896 | 6 00 | ..... | ..... |
| Del. Coal and Mining Co., No. 1 | Danville..... | Oct. 29, 1895 | 8 00 | Feb. 17, '96 | \$8 00 |
| " No. 2..... | "..... | " 29, 1895 | 6 00 | ..... | 6 00 |
| "..... | "..... | Jan. 9, 1896 | 8 00 | ..... | ..... |
| "..... | "..... | April 2, 1896 | 10 00 | ..... | ..... |
| J. H. Bunting Co., No. 1..... | Cokeville..... | Oct. 30, 1895 | 6 00 | ..... | ..... |
| "..... | Grape Creek..... | Jan. 21, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 11, 1896 | 6 00 | ..... | ..... |
| C. M. Hay, No. 1..... | "..... | Oct. 30 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 21, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 6, 1896 | 6 00 | ..... | ..... |
| A. M. Bushong, No. 1..... | "..... | Oct. 30, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 21, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 11, 1896 | 6 00 | ..... | ..... |
| Perry Jumps, No. 1..... | "..... | Oct. 30, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | " 31, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 8, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | " 21, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 6, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | " 6, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | " 11, 1896 | 6 00 | ..... | ..... |
| C. & W. Reilly..... | Danville..... | Oct. 30, 1895 | 6 00 | ..... | ..... |
| M. Kelly Coal Co., No. 1..... | Kellyville..... | " 31, 1895 | 8 00 | ..... | ..... |
| "..... | "..... | Nov. 6, 1895 | 10 00 | ..... | ..... |
| "..... | "..... | Jan. 10, 1896 | 10 00 | ..... | ..... |
| "..... | Westville..... | " 18, 1896 | 6 00 | ..... | ..... |
| "..... | Kellyville..... | " 20, 1896 | 8 00 | ..... | ..... |
| "..... | Grape Creek..... | April 10, 1896 | 8 00 | ..... | ..... |
| "..... | Westville..... | " 21, 1896 | 6 00 | ..... | ..... |
| "..... | Kellyville..... | " 27, 1896 | 10 00 | ..... | ..... |
| Hume & O'Connell..... | Grape Creek..... | Oct. 31, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 20, 1896 | 6 00 | ..... | ..... |
| "..... | "..... | April 10, 1896 | 6 00 | ..... | ..... |
| C. H. Trosper..... | "..... | Oct. 31, 1895 | 6 00 | ..... | ..... |
| "..... | "..... | Jan. 8, 1896 | 6 00 | ..... | ..... |
| Pawnee Coal Co., No. 1 (Danville, Ill.)..... | "..... | Oct. 31, 1895 | 10 00 | Jan. 18 | 10 00 |
| Pawnee Coal Co..... | Westville..... | Nov. 22, 1895 | 10 00 | " 15 | 10 00 |
| "..... | "..... | Jan. 17, 1896 | 10 00 | May 6 | 10 00 |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|-----------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Pawnee Coal Co..... | Westville..... | April 3, 1896 | \$10 00 | | |
| Westville Coal Co..... | Pawnee..... | 7, 1896 | 10 00 | | |
| " | Westville..... | Nov. 5, 1895 | 6 00 | | |
| " | " | Jan. 13, 1896 | 8 00 | | |
| D. A. Jenkins, No. 1..... | Danville..... | April 23, 1896 | 8 00 | | |
| Catlin Coal Co., No. 1..... | Catlin..... | Nov. 4, 1895 | 6 00 | | |
| " | " | Jan. 24, 1896 | 6 00 | | |
| " | " | Nov. 6, 1895 | 6 00 | Jan. 31 | \$6 00 |
| " | " | Jan. 23, 1896 | 8 00 | | |
| France Bros..... | " | April 25, 1896 | 6 00 | | |
| " | " | Nov. 13, 1895 | 6 00 | Feb. 17 | 6 00 |
| John F. Teeter..... | " | Feb. 11, 1896 | 6 00 | | |
| A. H. Bonnett..... | New Town..... | Nov. 13, 1895 | 6 00 | Feb. 17 | 6 00 |
| Stanbury & Watkins..... | Danville..... | 14, 1895 | 6 00 | | |
| " | " | Feb. 5, 1896 | 6 00 | | |
| L. E. Baker..... | Oakwood..... | Nov. 15, 1895 | 6 00 | | |
| " | " | Feb. 10, 1896 | 6 00 | | |
| T. J. Jones..... | Catlin..... | Nov. 15, 1895 | 6 00 | | |
| Arthur Jones..... | " | 15, 1895 | 6 00 | Feb. 5 | 6 00 |
| Glenburn Coal Co..... | Glenburn..... | 18, 1895 | 10 00 | Jan. 28 | 10 00 |
| " | " | Jan. 27, 1896 | 8 00 | May 4 | 8 00 |
| " | " | April 29, 1896 | 10 00 | | |
| Muncie Coal Co..... | Muncie..... | Nov. 19, 1895 | 6 00 | | |
| " | " | Jan. 28, 1896 | 6 00 | | |
| " | " | April 9, 1896 | 6 00 | | |
| Mauck Bros..... | Danville..... | Nov. 20, 1895 | 6 00 | | |
| " | Batestown..... | Jan. 29, 1896 | 6 00 | | |
| " | Danville..... | April 13, 1896 | 6 00 | | |
| Louis Pichon..... | Danville..... | Nov. 20, 1895 | 6 00 | | |
| " | Batestown..... | Jan. 29, 1896 | 6 00 | | |
| Economy Coal Co..... | Danville..... | Apr. 13, 1896 | 6 00 | | |
| " | " | Nov. 20, 1895 | 6 00 | | |
| " | " | Jan. 29, 1896 | 6 00 | | |
| " | " | Apr. 13, 1896 | 6 00 | | |
| D. P. Beatty..... | " | Nov. 20, 1895 | 6 00 | | |
| " | " | Jan. 22, 1896 | 6 00 | | |
| Elisha Lloyd..... | " | Nov. 21, 1895 | 6 00 | | |
| " | " | Jan. 30, 1896 | 6 00 | | |
| " | " | Apr. 14, 1896 | 6 00 | | |
| S. Parle..... | " | Nov. 21, 1895 | 6 00 | | |
| " | " | Jan. 30, 1896 | 6 00 | | |
| " | " | Apr. 14, 1896 | 6 00 | | |
| J. E. Lloyd..... | " | Nov. 21, 1895 | 6 00 | Feb. 4 | 6 00 |
| " | " | Jan. 30, 1896 | 6 00 | | |
| " | " | Apr. 14, 1896 | 6 00 | | |
| John Mabaker..... | " | Nov. 21, 1895 | 6 00 | | |
| " | " | Jan. 31, 1896 | 6 00 | | |
| Benj. Beddow..... | " | Nov. 21, 1895 | 6 00 | | |
| " | " | Jan. 31, 1896 | 6 00 | | |
| Thomas Atkinson..... | " | Nov. 21, 1895 | 6 00 | | |
| Chas. Hatfield..... | " | 21, 1895 | 6 00 | | |
| Athens Coal Co..... | Athens..... | Dec. 2, 1895 | 8 00 | | |
| " | " | Feb. 14, 1896 | 8 00 | | |
| " | " | May 15, 1896 | 8 00 | | |
| Albert Widner..... | Danville..... | Nov. 22, 1895 | 6 00 | | |
| " | " | Jan. 30, 1896 | 6 00 | | |
| O'Toole & Orr..... | " | Nov. 22, 1895 | 6 00 | | |
| " | " | Jan. 30, 1896 | 6 00 | | |
| Evan J. Jones..... | Catlin..... | Nov. 25, 1895 | 6 00 | | |
| Warren Neel..... | " | 25, 1895 | 6 00 | | |
| Elmer Allison..... | Danville..... | Nov. 26, 1895 | 6 00 | | |
| " | " | Feb. 4, 1896 | 6 00 | | |
| Samuel Ogle..... | " | Nov. 27, 1895 | 6 00 | | |
| " | " | Feb. 4, 1896 | 6 00 | | |
| George W. Watts..... | " | Nov. 27, 1895 | 6 00 | | |
| " | " | Feb. 5, 1896 | 6 00 | | |
| Chas. Wilson..... | " | Nov. 27, 1895 | 6 00 | | |
| H. E. Harrington..... | " | 27, 1895 | 6 00 | | |
| W. L. Grace..... | Bethel..... | Nov. 29, 1895 | 6 00 | | |
| Wabash Coal Co..... | Athens..... | Dec. 3, 1895 | 8 00 | | |
| " | " | Feb. 15, 1896 | 8 00 | | |
| " | " | May 16, 1896 | 8 00 | | |
| South Valley Coal Co..... | Petersburg..... | Dec. 4, 1895 | 6 00 | | |
| " | " | Feb. 17, 1896 | 6 00 | | |
| " | " | May 19, 1896 | 6 00 | | |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|---------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Lankford & Hughes..... | Petersburg..... | Dec. 4, 1895 | \$6 00 | ..... | ..... |
| " " | " | Feb. 17, 1896 | 6 00 | ..... | ..... |
| " " | " | May 19, 1896 | 6 00 | ..... | ..... |
| Chicago & Kansas City Coal Co | " | Dec. 5, 1895 | 8 00 | ..... | ..... |
| " " | " | Feb. 18, 1896 | 8 00 | ..... | ..... |
| " " | " | May 18, 1896 | 8 00 | ..... | ..... |
| J. B. Gaffigan & Co..... | " | Dec. 5, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 18, 1896 | 6 00 | ..... | ..... |
| Greenview Coal Co..... | Greenview | Dec. 6, 1895 | 8 00 | ..... | ..... |
| " " | " | Feb. 19, 1896 | 8 00 | ..... | ..... |
| " " | " | May 20, 1896 | 8 00 | ..... | ..... |
| Wm. Parkins..... | Sweetwater..... | Dec. 6, 1895 | 6 00 | Jan. 29 | \$6 00 |
| Tallula Coal Co..... | Tallula | Dec. 9, 1895 | 6 00 | Feb. 10 | 6 00 |
| " " | " | Feb. 20, 1896 | 6 00 | ..... | ..... |
| " " | " | May 21, 1896 | 6 00 | ..... | ..... |
| J. S. & G. S. Russe..... | Ashland..... | Dec. 9, 1895 | 6 00 | Jan. 29 | 6 00 |
| " " | " | Feb. 20, 1896 | 6 00 | ..... | ..... |
| " " | " | May 21, 1896 | 6 00 | ..... | ..... |
| Virginia Coal Co..... | Virginia | Dec. 10, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 21, 1896 | 6 00 | ..... | ..... |
| " " | " | May 22, 1896 | 6 00 | ..... | ..... |
| Chris. Nelson..... | Chandlerville | Dec. 11, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 21, 1896 | 6 00 | ..... | ..... |
| " " | " | Dec. 11, 1895 | 6 00 | ..... | ..... |
| Klock & Teeter..... | " | Dec. 11, 1895 | 6 00 | ..... | ..... |
| Bohlender Bros..... | Pekin | Dec. 12, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 24, 1896 | 6 00 | ..... | ..... |
| " " | " | May 23, 1896 | 6 00 | ..... | ..... |
| Louis Grant & Sons..... | " | Dec. 12, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 24, 1896 | 6 00 | ..... | ..... |
| " " | " | May 25, 1896 | 6 00 | ..... | ..... |
| " " | " | Dec. 13, 1895 | 6 00 | ..... | ..... |
| Hawley Coal Co..... | Wesley..... | Dec. 14, 1895 | 6 00 | ..... | ..... |
| Hillard & Lenard..... | " | Dec. 14, 1895 | 6 00 | ..... | ..... |
| German Coöperative Co., P. O. | " | Dec. 14, 1895 | 6 00 | ..... | ..... |
| Orchard Mines..... | " | Dec. 14, 1895 | 6 00 | ..... | ..... |
| German Coöperative Co., P. O. | Hollis | Feb. 24, 1896 | 6 00 | ..... | ..... |
| Orchard Mines..... | " | May 20, 1896 | 6 00 | ..... | ..... |
| German Coöperative Co., P. O. | " | Dec. 16, 1895 | 6 00 | ..... | ..... |
| Orchard Mines..... | " | Feb. 25, 1896 | 6 00 | ..... | ..... |
| Ph. Beetler..... | East Peoria..... | Dec. 16, 1895 | 6 00 | Feb. 14 | 6 00 |
| " " | " | Feb. 25, 1896 | 6 00 | ..... | ..... |
| " " | " | May 26, 1896 | 6 00 | ..... | ..... |
| G. Giebelhausen..... | " | Dec. 16, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 25, 1896 | 6 00 | ..... | ..... |
| Reynolds & Williams..... | " | Dec. 16, 1895 | 6 00 | Feb. 25 | 6 00 |
| " " | " | Feb. 25, 1896 | 6 00 | ..... | ..... |
| " " | " | May 26, 1896 | 6 00 | ..... | ..... |
| Harvey & Blake..... | " | Dec. 16, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 27, 1896 | 6 00 | ..... | ..... |
| " " | " | May 27, 1896 | 6 00 | ..... | ..... |
| Rusche Bros..... | " | Dec. 16, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 26, 1896 | 6 00 | ..... | ..... |
| " " | " | May 28, 1896 | 6 00 | ..... | ..... |
| East Peoria Coal Co..... | " | Dec. 16, 1895 | 6 00 | ..... | ..... |
| " " | " | May 28, 1896 | 6 00 | ..... | ..... |
| W. F. Doering Co..... | " | Dec. 17, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 25, 1896 | 6 00 | ..... | ..... |
| Becker Bros., P. O. Peoria..... | " | Dec. 17, 1895 | 6 00 | Mar. 21 | 6 00 |
| " " | " | Feb. 26, 1896 | 6 00 | ..... | ..... |
| " " | " | May 27, 1896 | 6 00 | ..... | ..... |
| Davis Coal Co..... | Chenoa..... | Dec. 18, 1895 | 6 00 | ..... | ..... |
| " " | " | Feb. 28, 1896 | 10 00 | ..... | ..... |
| McLean Coal Co..... | Bloomington | Dec. 18, 1895 | 10 00 | Jan. 31 | 10 00 |
| " " | " | Feb. 29, 1896 | 10 00 | ..... | ..... |
| " " | " | May 5, 1896 | 6 00 | ..... | ..... |
| Colfax Coal & Mining Co..... | Colfax..... | Dec. 19, 1895 | 6 00 | ..... | ..... |
| " " | " | Mar. 2, 1896 | 6 00 | ..... | ..... |
| " " | " | May 7, 1896 | 6 00 | ..... | ..... |
| Lincoln Coal Co..... | Lincoln | Dec. 20, 1895 | 8 00 | ..... | ..... |
| " " | " | Mar. 3, 1896 | 8 00 | ..... | ..... |
| " " | " | May 8, 1896 | 8 00 | ..... | ..... |
| Citizens' Coal Co..... | " | Dec. 21, 1895 | 8 00 | ..... | ..... |
| " " | " | Mar. 4, 1896 | 8 00 | ..... | ..... |
| " " | " | May 9, 1896 | 8 00 | ..... | ..... |
| Union Mining & Coal Co..... | Mt. Pulaski..... | Dec. 23, 1895 | 6 00 | Jan. 23 | 6 00 |
| " " | " | Mar. 4, 1896 | 6 00 | ..... | ..... |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|--|--------------------|------------------------|-------------------|------------|---------|
| | | | | Date. | Amount. |
| Decatur Coal Co., No. 2..... | Decatur | Dec. 24, 1895 | \$8 00 | ..... | ..... |
| " " No. 1..... | " " | " 26, 1895 | 10 00 | ..... | ..... |
| " " Niantic | Niantic | " 27, 1895 | 8 00 | ..... | ..... |
| " " No. 2..... | Decatur | Mar. 5, 1896 | 8 00 | ..... | ..... |
| " " No. 1..... | " " | " 6, 1896 | 10 00 | ..... | ..... |
| " " Niantic | Niantic | " 11, 1896 | 6 00 | ..... | ..... |
| " " No. 2..... | Decatur | May 12, 1896 | 8 00 | ..... | ..... |
| " " No. 1..... | " " | " 13, 1896 | 8 00 | ..... | ..... |
| " " Niantic | Niantic | " 14, 1896 | 6 00 | ..... | ..... |
| E. S. Gray | Danville | Jan. 22, 1896 | 6 00 | ..... | ..... |
| " " | " " | April 14, 1896 | 6 00 | ..... | ..... |
| Haleycross & Thomas..... | " " | Jan. 24, 1896 | 6 00 | ..... | ..... |
| W. C. Wilkinson | " " | " 24, 1896 | 6 00 | ..... | ..... |
| Jos. Kelley..... | " " | " 25, 1896 | 6 00 | ..... | ..... |
| Wm. H. Jenkins..... | " " | " 25, 1896 | 6 00 | ..... | ..... |
| Wm. Aldredge..... | " " | " 30, 1896 | 6 00 | ..... | ..... |
| Wm. Ray..... | " " | " 31, 1896 | 6 00 | ..... | ..... |
| David Harrington..... | " " | Feb. 4, 1896 | 6 00 | ..... | ..... |
| Thos. E. Ashman..... | " " | " 5, 1896 | 6 00 | ..... | ..... |
| John Woodard | Oakwood | " 10, 1896 | 6 00 | ..... | ..... |
| Wm. Denton..... | Petersburg | " 17, 1896 | 6 00 | ..... | ..... |
| " " | " " | May 19, 1896 | 6 00 | ..... | ..... |
| Klock & Haryesburk | Chandlerville | Feb. 21, 1896 | 6 00 | ..... | ..... |
| Hawley Coal Co | Pekin..... | " 24, 1896 | 6 00 | ..... | ..... |

FINANCIAL STATEMENT.

Report of Inspection of Mines Showing Number of Inspections Made, Amounts Charged and Money Received for Year Ending July 1, 1896—Fifth Inspection District.

JOHN KEAY, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Cons. Coal Co., Staunton No. 6. | Staunton..... | Nov. 12, 1895 | \$10 00 | | |
| " " " " No. 7. | " " " " " " | 13, 1895 | 8 00 | | |
| " " " " No. 8. | Mt. Olive..... | 15, 1895 | 10 00 | | |
| " " " " No. 10 | " " " " " " | 20, 1895 | 10 00 | | |
| " " " " Gillespie..... | Gillespie..... | 23, 1895 | 8 00 | | |
| " " " " Clyde..... | Hornsby..... | 25, 1895 | 8 00 | | |
| " " " " Staunton No. 7. | Staunton..... | Mar. 12, 1896 | 10 00 | | |
| " " " " No. 6. | " " " " " " | 13, 1896 | 10 00 | | |
| " " " " Mt. Olive No. 8. | Mt. Olive..... | 17, 1896 | 10 00 | | |
| " " " " No. 10 | " " " " " " | 18, 1896 | 10 00 | | |
| " " " " Gillespie..... | Gillespie..... | 20, 1896 | 8 00 | | |
| " " " " Clyde..... | Hornsby..... | 21, 1896 | 8 00 | | |
| " " " " Staunton No. 6. | Staunton..... | June 18, 1896 | 10 00 | | |
| " " " " No. 7. | " " " " " " | 19, 1896 | 10 00 | | |
| " " " " Mt. Olive No. 8. | Mt. Olive..... | 20, 1896 | 10 00 | | |
| " " " " No. 10 | " " " " " " | 23, 1896 | 10 00 | | |
| Litchfield M. & P. Co..... | Litchfield..... | Oct. 29, 1895 | 6 00 | | |
| " " " " " " | " " " " " " | Mar. 19, 1896 | 6 00 | | |
| " " " " " " | " " " " " " | June 24, 1896 | 6 00 | | |
| Litchfield M. & M. Co..... | " " " " " " | Oct. 29, 1895 | 6 00 | | |
| " " " " " " | " " " " " " | Mar. 19, 1896 | 6 00 | | |
| " " " " " " | " " " " " " | June 24, 1896 | 6 00 | | |
| Coffeen Coal & Copper Co..... | Coffeen..... | Nov. 1, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | Mar. 24, 1896 | 8 00 | | |
| Hillsboro Coal Co..... | Hillsboro..... | Nov. 4, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | Mar. 25, 1896 | 10 00 | | |
| Madison Coal Co., No. 5..... | Mt. Olive..... | Nov. 14, 1895 | 10 00 | | |
| Sangamon Coal Co..... | Springfield..... | 18, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | Feb. 14, 1896 | 8 00 | | |
| Woodside Coal Co..... | " " " " " " | Dec. 2, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | Feb. 4, 1896 | 8 00 | | |
| " " " " " " | " " " " " " | April 4, 1896 | 8 00 | | |
| Penwell C. M. Co..... | Pana..... | Nov. 27, 1895 | 10 00 | Mar. 21 | \$10 00 |
| " " " " " " | " " " " " " | Mar. 27, 1896 | 10 00 | June 8 | 10 |
| Pana Coal Co., No. 2. | " " " " " " | Dec. 4, 1895 | 8 00 | | |
| " " " " No. 1. | " " " " " " | 5, 1895 | 10 00 | | |
| " " " " No. 1. | " " " " " " | May 16, 1896 | 8 00 | | |
| Springfield C. M. Co..... | " " " " " " | Dec. 6, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | May 15, 1896 | 10 00 | | |
| Taylorville Coal Co..... | Taylorville..... | Dec. 7, 1895 | 10 00 | Jan. 18 | 10 00 |
| " " " " " " | " " " " " " | June 13, 1896 | 10 00 | | |
| Smith & Williams..... | Edinburg..... | Dec. 14, 1895 | 6 00 | | |
| Carlinville Coal Co..... | Carlinville..... | 16, 1895 | 8 00 | | |
| " " " " " " | " " " " " " | April 29, 1896 | 6 00 | | |
| Nilwood Carbon Coal Co..... | Nilwood..... | Dec. 17, 1895 | 6 00 | | |
| " " " " " " | " " " " " " | April 30, 1896 | 6 00 | | |
| Girard Coal Co..... | Girard..... | Dec. 17, 18, 1896 | 8 00 | Feb. 18 | 8 00 |
| " " " " " " | " " " " " " | May 2, 1896 | 8 00 | | |
| Green Ridge Coal Co..... | " " " " " " | Dec. 9, 1895 | 8 00 | Feb. 18 | 8 00 |
| " " " " " " | " " " " " " | May 1, 1896 | 8 00 | | |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Virđen Coal Co..... | Virđen..... | Dec. 20, 1895 | \$8 00 | | |
| Chicago-Virđen Coal Co..... | "..... | 21, 1895 | 10 00 | Mar. 13.. | \$10 00 |
| Assumption C. & M. Co..... | Assumption..... | May 22, 1896 | 10 00 | | |
| Moweaqua C. M. Mfg. Co..... | Moweaqua..... | Dec. 23, 1895 | 8 00 | Feb. 13.. | 8 00 |
| Wabash Coal Co..... | Dawson..... | May 14, 1896 | 8 00 | | |
| Springfield Coop. Coal Co..... | Springfield..... | Dec. 24, 1896 | 6 00 | Feb. 26.. | 6 00 |
| Black Diamond Coal & Tile Co | "..... | May 13, 1896 | 6 00 | | |
| Citizens' Coal Mining Co..... | "..... | Nov. 9, 1895 | 8 00 | Jan. 24.. | 8 00 |
| West End Coal Co..... | "..... | April 9, 1896 | 8 00 | | |
| Capital Coal Co..... | "..... | Feb. 1, 1896 | 8 00 | | |
| "..... | "..... | April 8, 1896 | 6 00 | | |
| Starne Coal Mining Co..... | "..... | Feb. 5, 1896 | 6 00 | | |
| Clear Lake Cooperative Coal Co | "..... | April 25, 1896 | 6 00 | | |
| Springfield Junction Coal Co.. | "..... | Feb. 6, 1896 | 8 00 | | |
| Riverton Coal Co..... | Riverton..... | Feb. 7, 1896 | 8 00 | | |
| Cantrall Cooperative Coal Co.. | Cantrall..... | April 18, 1896 | 6 00 | | |
| Mount Olive Coal Co., P. O. | "..... | Feb. 11, 1896 | 8 00 | | |
| St. Louis..... | "..... | 13, 1896 | 6 00 | | |
| Mount Olive Coal Co., P. O. | "..... | May 26, 1896 | 6 00 | | |
| St. Louis..... | "..... | Feb. 15, 1896 | 8 00 | | |
| Wm. Neil & Co..... | Bunker Hill..... | Ap il 23, 1896 | 6 00 | | |
| Williamsville Coal Co..... | Williamsville..... | Feb. 17, 1896 | 8 00 | | |
| Golliday & B. andt..... | Salisbury..... | 20, 1896 | 8 00 | | |
| W. H. Werries..... | Chapin..... | Mar. 5, 1896 | 10 00 | | |
| Wilson & Longdon..... | "..... | 6, 7, 1896 | 8 00 | | |
| Chas. Ruh..... | Exeter..... | 10, 1896 | 8 00 | | |
| W. H. Bates..... | Winchester..... | "..... | "..... | | |
| T. W. Griffith..... | Whitehall..... | "..... | "..... | | |
| J. F. Revis..... | Roodhouse..... | "..... | "..... | | |
| Felix Brown..... | "..... | "..... | "..... | | |
| James Minks..... | "..... | "..... | "..... | | |
| Benj. Cummings..... | "..... | "..... | "..... | | |
| Davis J. Wyatt..... | Whitehall..... | "..... | "..... | | |
| Whitehall Fire Clay Works.. | "..... | "..... | "..... | | |
| John Griffith..... | Roodhouse..... | "..... | "..... | | |
| Michael Murphy..... | Alsey..... | "..... | "..... | | |
| Chas. McGuire..... | "..... | "..... | "..... | | |
| Jesse Cameron..... | "..... | "..... | "..... | | |
| J. W. Ellsworth..... | Virđen..... | "..... | "..... | | |
| Springfield and Pleasant | "..... | 23, 1896 | 8 00 | | |
| Plains Coal Co..... | Pleasant Plains .. | Mar. 31, 1896 | 6 00 | | |
| J. Murphy..... | Chatham..... | 30, 1896 | 6 00 | | |
| D. J. Lloyd..... | Pawnee..... | Jan. 23, 1896 | 6 00 | | |
| Auburn Coal Co..... | Auburn..... | 23, 1896 | 6 00 | | |
| Sugar Creek Coal Mining Co.. | "..... | 23, 1896 | 8 00 | | |
| Barclay Coal Mining Co..... | Springfield..... | April 22, 1896 | 10 00 | | |
| Walton Rutledge..... | Spaulding..... | Jan. 21, 1896 | 8 00 | | |
| Springfield Coal Mining and | "..... | 29, 1896 | 6 00 | | |
| Tile Co..... | Springfield..... | "..... | "..... | | |
| Springfield Coal Mining and | "..... | 30, 1896 | 8 00 | | |
| Tile Co..... | "..... | April 18, 1896 | 8 00 | | |
| Springfield and Wilmington | "..... | Jan. 31, 1896 | 8 00 | | |
| Coal Co..... | "..... | "..... | "..... | | |
| Springfield and Wilmington | "..... | April 20, 1896 | 8 00 | | |
| Coal Co..... | "..... | "..... | "..... | | |

FINANCIAL STATEMENT.

Showing Number of Inspections Made, Amounts Charged and Money Received for Year Ending July 1, 1896—Sixth Inspection District.

T. S. CUMMING, Inspector.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Consolidated Coal Co.— | | | | | |
| Abbey, No. 3..... | Collinsville..... | Nov. 2, 1895 | \$8 00 | | |
| Green Mount, No. 1..... | Belleville..... | " 8, 1895 | 6 00 | | |
| Rose Hill..... | "..... | " 8, 1895 | 6 00 | | |
| Pittsburg..... | "..... | " 27, 1895 | 6 00 | | |
| No. 12..... | Worden..... | Dec. 13, 1895 | 6 00 | | |
| McDonald..... | "..... | " 13, 1895 | 6 00 | | |
| Mentor..... | Ridge Prairie..... | " 16, 1895 | 6 00 | | |
| Richland..... | Belleville..... | " 17, 1895 | 6 00 | | |
| Schureman..... | "..... | " 18, 1895 | 6 00 | | |
| Trenton..... | Trenton..... | " 19, 1895 | 10 00 | | |
| Breese..... | Breese..... | " 20, 1895 | 8 00 | | |
| Abbey, No. 4..... | Collinsville..... | " 23, 1895 | 6 00 | | |
| Gartside, No. 4..... | Lenz Station..... | Jan. 4, 1896 | 6 00 | | |
| Alma..... | Ridge Prairie..... | " 13, 1896 | 8 00 | | |
| White Oak..... | Marissa..... | " 15, 1896 | 6 00 | | |
| Marissa..... | "..... | " 16, 1896 | 6 00 | | |
| Brookside..... | Troy..... | " 25, 1896 | 8 00 | | |
| Heinz Bluff..... | Collinsville..... | " 29, 1896 | 8 00 | | |
| Troy..... | "..... | " 30, 1896 | 8 00 | | |
| Knecht..... | Birkner..... | Feb. 3, 1896 | 6 00 | | |
| Pittsburg..... | Belleville..... | " 7, 1896 | 6 00 | | |
| Green Mount..... | "..... | " 27, 1896 | 6 00 | | |
| Rose Hill..... | "..... | " 28, 1896 | 6 00 | | |
| Schureman..... | "..... | " March 2, 1896 | 6 00 | | |
| Gartside..... | Lenz..... | " 16, 1896 | 6 00 | | |
| Mentor..... | Alma..... | " 20, 1896 | 6 00 | | |
| Trenton..... | Trenton..... | " 24, 1896 | 8 00 | | |
| Breese..... | Breese..... | " 26, 1896 | 8 00 | | |
| Abbey, No. 4..... | Collinsville..... | April 14, 1896 | 6 00 | | |
| White Oak..... | Marissa..... | " 22, 1896 | 6 00 | | |
| Marissa..... | "..... | " 23, 1896 | 6 00 | | |
| Abbey, No. 1..... | Ridge Prairie..... | " 24, 1896 | 6 00 | | |
| Heinz Bluff..... | Collinsville..... | " 27, 1896 | 8 00 | | |
| Brookside..... | "..... | " 28, 1896 | 8 00 | | |
| Troy..... | Troy..... | " 29, 1896 | 6 00 | | |
| Richland..... | Belleville..... | " 29, 1896 | 6 00 | | |
| Green Mount..... | "..... | May 4, 1896 | 6 00 | | |
| Breese..... | Breese..... | June 10, 1896 | 6 00 | | |
| Trenton..... | Trenton..... | " 11, 1896 | 6 00 | | |
| Knecht..... | Birkner..... | " 12, 1896 | 8 00 | | |
| Mentor..... | Alma..... | " 15, 1896 | 6 00 | | |
| Rose Hill..... | Belleville..... | " 17, 1896 | 6 00 | | |
| Skellet Coal Co..... | Swansea..... | " 22, 1896 | 6 00 | | |
| Oakland Coal Co..... | Belleville..... | Nov. 25, 1895 | 6 00 | | |
| "..... | Lenz..... | May 26, 1895 | 6 00 | | |
| "..... | "..... | " 20, 1896 | 6 00 | | |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|-------------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Glendale C. and M. Co..... | Belleville..... | Nov. 29, 1895 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 1, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 12, 1896 | 8 00 | | |
| Humboldt Coal Co..... | " " " " " " " " " " " " | Nov. 30, 1895 | 6 00 | | |
| Krantz Coal Co..... | " " " " " " " " " " " " | Dec. 2, 1895 | 6 00 | Jan. 21 | \$6 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | April 16, 1896 | 6 00 | | |
| Pittenger & Davis Co..... | Centralia..... | Dec. 3, 1895 | 10 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 10, 1896 | 10 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 4, 1896 | 8 00 | | |
| Centralia M. and M. Co..... | " " " " " " " " " " " " | Dec. 4, 1895 | 10 00 | March 19 | 10 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 11, 1896 | 10 00 | May 23 | 10 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 5, 1896 | 8 00 | | |
| Sandoval Coal Co..... | Sandoval..... | Dec. 4, 1895 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 22, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 1, 1896 | 8 00 | | |
| Odin Coal Co..... | Odin..... | Dec. 5, 1895 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 19, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 2, 1896 | 8 00 | | |
| Superior C. and M. Co..... | Kinmundy..... | Dec. 6, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 18, 1896 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 3, 1896 | 6 00 | | |
| Salem Coal Co..... | Salem..... | Dec. 7, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 20, 1896 | 6 00 | | |
| Lebanon Coal and Machine Co. | Lebanon..... | Dec. 10, 1895 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 11, 1896 | 6 00 | | |
| Consumers' Coal Co..... | O'Fallon..... | Dec. 11, 1895 | 6 00 | Jan. 27 | 6 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Jan. 7, 1896 | 8 00 | May 18 | 8 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Feb. 25, 1896 | 6 00 | 18 | 6 00 |
| Crown Coal and Tow Co., No. 1 | Caseyville..... | Dec. 9, 1895 | 6 00 | | |
| " " " " " " " " " " " " No. 4 | Harmony..... | Dec. 17, 1895 | 8 00 | | |
| " " " " " " " " " " " " No. 4 | Stookey..... | Feb. 20, 1896 | 8 00 | | |
| " " " " " " " " " " " " No. 1 | Crown Station..... | May 16, 1896 | 6 00 | | |
| " " " " " " " " " " " " No. 2 | Harmony..... | June 18, 1896 | 6 00 | | |
| Madison Coal Co., No. 4 | Lenz..... | Nov. 1, 1895 | 6 00 | | |
| " " " " " " " " " " " " No. 2 | Glen Carbon..... | Feb. 10, 1896 | 10 00 | | |
| " " " " " " " " " " " " No. 4 | " " " " " " " " " " " " | 11, 1896 | 10 00 | | |
| " " " " " " " " " " " " No. 3 | " " " " " " " " " " " " | 13, 1896 | 8 00 | | |
| " " " " " " " " " " " " No. 1 | Edwardsville..... | March 5, 1896 | 6 00 | | |
| " " " " " " " " " " " " No. 3 | Glen Carbon..... | May 19, 1896 | 8 00 | | |
| " " " " " " " " " " " " No. 1 | Edwardsville..... | 19, 1896 | 6 00 | | |
| " " " " " " " " " " " " No. 2 | Glen Carbon..... | 21, 1896 | 10 00 | | |
| " " " " " " " " " " " " No. 4 | " " " " " " " " " " " " | 25, 1896 | 8 00 | | |
| Breese Coal Co..... | Breese..... | Dec. 20, 1895 | 8 00 | Jan. 25 | 8 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 25, 1896 | 8 00 | May 23 | 8 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | Jun. 11, 1896 | 8 00 | | |
| Conrad Reinecke..... | Belleville..... | Dec. 21, 1895 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 14, 1896 | 8 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 16, 1896 | 8 00 | | |
| Sorento Prospecting & Mining Co., No. 1..... | Sorento..... | Nov. 4, 1895 | 8 00 | | |
| Sorento Prospecting & Mining Co., No. 1..... | " " " " " " " " " " " " | March 17, 1896 | 8 00 | | |
| Jos. Somers, No. 1..... | Smithboro..... | Nov. 5, 1895 | 6 00 | May 6 | 6 00 |
| Highland Coal Co..... | Belleville..... | " " 6, 1895 | 6 00 | March 19 | 6 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 6, 1896 | 6 00 | | |
| John Kloess..... | " " " " " " " " " " " " | Nov. 6, 1895 | 6 00 | | |
| Jacob Moser (Rentchler)..... | Turkey Hill..... | 7, 18 5 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 9, 1896 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | June 23, 1896 | 6 00 | | |
| Mo. & Ill. Coal Co..... | Rentchler..... | Nov. 7, 1895 | 6 00 | | |
| " " " " " " " " " " " " | Wilderman..... | Jan. 6, 1896 | 6 00 | | |
| " " " " " " " " " " " " | Freeburg..... | 14, 1896 | 6 00 | | |
| " " " " " " " " " " " " | Rentchler..... | March 9, 1896 | 6 00 | | |
| " " " " " " " " " " " " | Freeburg..... | April 7, 1896 | 6 00 | | |
| " " " " " " " " " " " " | Wilderman..... | Jan. 8, 1896 | 6 00 | | |
| " " " " " " " " " " " " | Rentchler..... | June 23, 1896 | 6 00 | | |
| Robt. Marshall..... | Yates City..... | Nov. 16, 1895 | 6 00 | | |
| A. Colvin..... | " " " " " " " " " " " " | 16, 1895 | 6 00 | | |
| Geo. Hippard..... | Belleville..... | 15, 1895 | 6 00 | | |
| " " " " " " " " " " " " | " " " " " " " " " " " " | May 4, 1896 | 6 00 | | |
| Summit Coal Co..... | Birkner..... | Nov. 15, 1895 | 6 00 | Jan. 19 | 6 00 |
| " " " " " " " " " " " " | " " " " " " " " " " " " | March 21, 1896 | 6 00 | | |
| Nicholas Weiss..... | Belleville..... | Nov. 16, 1895 | 6 00 | Feb. 11 | 6 00 |
| Ebel Bros..... | " " " " " " " " " " " " | 16, 1895 | 6 00 | | |
| West End Coal Co..... | " " " " " " " " " " " " | 21, 1895 | 6 00 | | |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|---------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| Maule Coal Co., No. 1..... | Belleville..... | Nov. 22, 1895 | \$6 00 | ..... | ..... |
| " " No. 2..... | " "..... | 23, 1895 | 6 00 | ..... | ..... |
| " " No. 1..... | " "..... | June 24, 1896 | 8 00 | ..... | ..... |
| Kolb Coal Co..... | Mascoutah..... | Jan. 2, 1896 | 6 00 | June 29 | \$6 00 |
| " "..... | " "..... | March 23, 1896 | 6 00 | 29 | 6 00 |
| " "..... | " "..... | June 26, 1896 | 6 00 | ..... | ..... |
| Jas. Beatty & Co..... | " "..... | Jan. 2, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | March 23, 1896 | 6 00 | ..... | ..... |
| New Athens Coal Co..... | New Athens..... | Jan. 9, 1896 | 6 00 | ..... | ..... |
| Western C. M. Co..... | Lenzburg..... | " 9, 1896 | 6 00 | ..... | ..... |
| Terri Coal Co..... | " "..... | " 9, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | April 9, 1896 | 6 00 | ..... | ..... |
| Wm. Piston..... | Millstadt..... | Jan. 10, 1896 | 6 00 | May 8 | 6 00 |
| " "..... | " "..... | April 17, 1896 | 6 00 | ..... | ..... |
| Millstadt C. & M. Co..... | " "..... | Jan. 10, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | April 17, 1896 | 6 00 | ..... | ..... |
| Jos. Taylor (P. O. O'Fallon)..... | Alma..... | Jan. 13, 1896 | 6 00 | ..... | ..... |
| " "..... | O'Fallon..... | June 17, 1896 | 8 00 | ..... | ..... |
| Dutch Hollow C. Co. (P.O. St. L.)..... | Freeburg..... | Jan. 14, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | Dec. 10, 1895 | 6 00 | ..... | ..... |
| " "..... | " "..... | June 20, 1896 | 6 00 | ..... | ..... |
| Advance Coal Co..... | Marissa..... | Jan. 15, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | April 23, 1896 | 6 00 | ..... | ..... |
| Johnson Coal Co. (P.O. St. L.)..... | " "..... | Jan. 16, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | April 22, 1896 | 6 00 | ..... | ..... |
| Oak Hill C. & M. Co..... | Belleville..... | Jan. 25, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | May 9, 1896 | 6 00 | ..... | ..... |
| Wm. Ogden & Bro..... | Rentchler..... | Jan. 27, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | April 13, 1896 | 6 00 | ..... | ..... |
| Lumaghi Coal Co..... | Collinsville..... | Jan. 28, 1896 | 8 00 | ..... | ..... |
| " "..... | " "..... | April 28, 1896 | 6 00 | ..... | ..... |
| John James..... | Bethalto..... | Feb. 4, 1896 | 6 00 | May 16 | 6 00 |
| " "..... | " "..... | May 14, 1896 | 6 00 | ..... | ..... |
| John Spencer..... | " "..... | Feb. 4, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | May 14, 1896 | 6 00 | ..... | ..... |
| Chas. Kabel..... | Moro..... | Feb. 4, 1896 | 6 00 | ..... | ..... |
| Waln't Hill C. C., P. O. Birkner..... | Lenz Station..... | " 6, 1896 | 6 00 | ..... | ..... |
| Massie C. Co., Massie, No. 1..... | Belleville..... | " 6, 1896 | 6 00 | ..... | ..... |
| " " Hartman, No. 1..... | " "..... | March 7, 1896 | 6 00 | ..... | ..... |
| " " No. 2..... | " "..... | May 26, 1896 | 6 00 | ..... | ..... |
| " " No. 1..... | " "..... | June 10, 1896 | 6 00 | ..... | ..... |
| Raab & Raab Co..... | " "..... | Feb. 8, 1896 | 6 00 | ..... | ..... |
| F. Murphy..... | " "..... | " 8, 1896 | 6 00 | ..... | ..... |
| Jos. Betts, "Maule"..... | " "..... | " 12, 1896 | 8 00 | ..... | ..... |
| " " "National"..... | " "..... | March 16, 1896 | 6 00 | ..... | ..... |
| Wonderly Coal Co..... | Edwardsville..... | Feb. 14, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | May 27, 1896 | 6 00 | ..... | ..... |
| Klingenfus Bros..... | Belleville..... | Feb. 28, 1896 | 6 00 | ..... | ..... |
| John Harst..... | " "..... | " 28, 1896 | 6 00 | ..... | ..... |
| Louis Grossman..... | Smithton..... | March 3, 1896 | 6 00 | ..... | ..... |
| Johnson & Co..... | " "..... | " 3, 1896 | 6 00 | ..... | ..... |
| J. C. Schmidt, P.O. Millstadt..... | Hugh Prairie..... | " 3, 1896 | 6 00 | ..... | ..... |
| Sliment & Son..... | Centerville..... | " 4, 1896 | 6 00 | ..... | ..... |
| Conrad Strawbridge..... | French Village..... | " 4, 1896 | 6 00 | ..... | ..... |
| James Charleton..... | " "..... | " 4, 1896 | 6 00 | ..... | ..... |
| Green Hill Coal Co..... | Freeburg..... | " 13, 1896 | 6 00 | ..... | ..... |
| Freeburg M. Co..... | " "..... | " 13, 1896 | 6 00 | ..... | ..... |
| " "..... | " "..... | June 13, 1896 | 6 00 | ..... | ..... |
| Dutch Hill Coal Co..... | New Athens..... | April 9, 1896 | 6 00 | ..... | ..... |
| Maloy & Ball..... | North Alton..... | May 13, 1896 | 6 00 | ..... | ..... |
| Nathan Syddall..... | " "..... | " 13, 1896 | 6 00 | ..... | ..... |
| J. Pierce & Co..... | " "..... | " 13, 1896 | 6 00 | ..... | ..... |
| Wm. Sargent..... | Moro..... | " 14, 1896 | 6 00 | ..... | ..... |
| Wm. Chalengworth..... | Fosterburg..... | " 14, 1896 | 6 00 | ..... | ..... |

Financial Statement—Continued.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|--|---------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| H. Murray | Nashville | Mar. 16, 1896 | \$6 00 | | |
| J. M. Jones | Coulterville | Nov. 9, 1895 | 6 00 | | |
| | | Feb. 6, 1896 | 6 00 | | |
| Big Muddy Coal and Iron Co. "Harrison" | Murphysboro | Nov. 11, 1895 | 8 00 | Jan. 27 | \$8 00 |
| Big Muddy Coal and Iron Co., No. 4 | " | " 13, 1895 | 8 00 | " | 8 00 |
| Big Muddy Coal and Iron Co., No. 5 | " | " 13, 1895 | 8 00 | " | 8 00 |
| Big Muddy Coal and Iron Co., No. 4 | " | Feb. 18, 1896 | 8 00 | May 9 | 8 00 |
| Big Muddy Coal and Iron Co., No. 5 | " | " 18, 1896 | 8 00 | " | 8 00 |
| Big Muddy Coal and Iron Co., "Harrison" | " | " 28, 1896 | 8 00 | " | 8 00 |
| Big Muddy Coal and Iron Co., No. 1 | " | May 21, 1896 | 8 00 | | |
| Big Muddy Coal and Iron Co., No. 5 | " | " 22, 23, 1896 | 10 00 | | |
| Gartside Coal Co., No. 4 | " | Nov. 11, 1895 | 8 00 | | |
| " " No. 1 | " | " 12, 1895 | 6 00 | | |
| " " No. 3 | " | " 12, 1895 | 6 00 | | |
| " " No. 3 | " | Feb. 24, 1896 | 6 00 | | |
| " " No. 1 | " | " 26, 1896 | 6 00 | | |
| " " No. 4 | " | " 27, 1896 | 6 00 | | |
| " " No. 3 | " | May 19, 1896 | 8 00 | | |
| " " No. 1 | " | " 18, 1896 | 6 00 | | |
| " " No. 4 | " | " 20, 1896 | 6 00 | | |
| E. E. Poole | " | Nov. 14, 1895 | 6 00 | | |
| | " | Mar. 2, 1896 | 6 00 | | |
| D. P. Willis | " | Nov. 14, 1895 | 6 00 | | |
| | " | Feb. 19, 1896 | 6 00 | | |
| | " | May 6, 1896 | 6 00 | | |
| Smith & Read | Marion | Nov. 15, 1895 | 6 00 | Jan. 24 | 6 00 |
| S. A. Campbell | " | " 16, 1895 | 6 00 | May 27 | 6 00 |
| | " | Apr. 15, 1896 | 6 00 | | |
| Tilden Coal Co. | Tilden | Nov. 30, 1895 | 6 00 | | |
| | " | Feb. 5, 1896 | 6 00 | | |
| | " | Jan. 13, 1896 | 6 00 | | |
| G. W. Brown | Pinckneyville | Nov. 21, 1895 | 6 00 | Jan. 20 | 6 00 |
| | " | Mar. 17, 1896 | 6 00 | | |
| | " | June 12, 1896 | 6 00 | | |
| S. C. & C. Co. | Sunfield | Nov. 22, 1895 | 6 00 | | |
| | " | Mar. 10, 1896 | 8 00 | | |
| | " | June 20, 1896 | 8 00 | | |
| Perry Co. C. M. Co. | DuQuoin | Nov. 23, 1895 | 6 00 | | |
| | St. Johns | Mar. 11, 1896 | 8 00 | | |
| | " | June 20, 1896 | 6 00 | | |
| Dill & Wallace Co., No. 2 | New Burnside | Nov. 26, 1895 | 6 00 | Feb. 14 | 6 00 |
| | No. 1 | " 26, 1895 | 6 00 | | 6 00 |
| McMichael & King | " | " 26, 1895 | 6 00 | Feb. 26 | 6 00 |
| Davenport Coal Co. | Harrisburg | " 27, 1895 | 6 00 | Jan. 29 | 6 00 |
| | New Castle | " 29, 1895 | 6 00 | | 6 00 |
| | Ledford | Apr. 6, 1896 | 6 00 | | |
| E. E. Hubbard Co. | " | Nov. 27, 1895 | 6 00 | | |
| Warfield & Riley Co. | Harrisburg | " 29, 1895 | 6 00 | | |
| Sato Coal and M. Co. | Sato | Dec. 2, 1895 | 6 00 | | |
| | " | Mar. 23, 1896 | 6 00 | | |
| Wining Mining Co. | " | Dec. 2, 1895 | 6 00 | | |
| Murphysboro B. M. C. Co., No. 1 | " | Dec. 3, 1895 | 6 00 | | |
| | " | Mar. 24, 1896 | 6 00 | | |
| Willisville C. & M. Co. | Percy | Dec. 3, 1895 | 6 00 | | |
| | Willisville | Jan. 9, 1896 | 6 00 | | |
| | " | June 2, 1896 | 6 00 | | |
| Little Muddy C. & M. Co. | Percy | Dec. 4, 1895 | 6 00 | | |
| | " | Mar. 5, 1896 | 6 00 | | |
| | " | June 3, 1896 | 6 00 | | |
| Boyd Coal and Coke Co. | Sparta | Dec. 5, 1895 | 6 00 | | |
| | " | Mar. 27, 1896 | 6 00 | | |
| | " | June 15, 1896 | 6 00 | | |
| Randolph Coke & Coal Co. No. 2 | " | Dec. 5, 1895 | 6 00 | | |
| " " No. 1 | " | Dec. 17, 1895 | 6 00 | | |
| " " No. 1 | " | Mar. 4, 1896 | 6 00 | | |
| " " No. 3 | " | Mar. 26, 1896 | 6 00 | | |

Financial Statement—Concluded.

| Name of Firm, Company or Person Operating Mine. | Location. | Date of Inspection. | Amount of Fee. | FEES PAID. | |
|---|--------------------|---------------------|----------------|------------|---------|
| | | | | Date. | Amount. |
| A. Kuhn..... | DuBois..... | Dec. 10, 1895 | \$6 00 | | |
| "..... | "..... | Mar. 12, 1896 | 6 00 | | |
| "..... | "..... | June 18, 1896 | 6 00 | | |
| D. C. Barber..... | Tamaroa..... | Dec. 11, 1895 | 6 00 | | |
| "..... | "..... | Feb. 8, 1896 | 6 00 | | |
| T. L. Stockton..... | "..... | Dec. 12, 1895 | 6 00 | | |
| "..... | "..... | Feb. 7, 1896 | 6 00 | | |
| Jenner & Davis..... | Pinckneyville..... | Dec. 14, 1895 | 6 00 | | |
| Brown & Barwell, P. O. Cutler | Barwell..... | 16, 1895 | 6 00 | | |
| "..... | "..... | Mar. 18, 1896 | 6 00 | | |
| "..... | "..... | June 4, 1896 | 6 00 | | |
| W. M. Barnard..... | Percy..... | Dec. 17, 1895 | 6 00 | | |
| "..... | "..... | Mar. 19, 1896 | 6 00 | | |
| "..... | "..... | June 6, 1896 | 6 00 | | |
| Wm. G. Goalby & Son, No. 1.. | "..... | Dec. 18, 1895 | 6 00 | | |
| "..... | "..... | Dec. 18, 1895 | 6 00 | | |
| "..... | "..... | Mar. 5, 1895 | 6 00 | | |
| Equality Coal Co..... | Equality..... | Dec. 20, 1895 | 6 00 | Jan. 20.. | \$6 00 |
| "..... | "..... | April 7, 1896 | 6 00 | | |
| Stader & Martin..... | "..... | Dec. 21, 1895 | 6 00 | May 7.. | 6 00 |
| Hickory Hill Coal Co..... | "..... | 21, 1895 | 6 00 | Jan. 20.. | 6 00 |
| Peter Whalen..... | Colchester..... | Feb. 20, 1896 | 6 00 | | |
| Excelsior Coal Co..... | DuQuoin..... | Jan. 3, 1896 | 6 00 | | |
| "..... | "..... | May 16, 1896 | 6 00 | | |
| Wood Bros..... | Pinckneyville..... | Jan. 2, 1896 | 6 00 | | |
| Valley & Gulf Coal Co..... | Sparta..... | " 4, 1896 | 8 00 | | |
| "..... | "..... | " 28, 1896 | 8 00 | | |
| "..... | "..... | " 24, 1896 | 6 00 | | |
| Turner & Faust..... | Pinckneyville..... | " 10, 1896 | 6 00 | | |
| Evans & Brush..... | Carbondale..... | " 11, 1896 | 6 00 | | |
| Williamson Co. Coal Co., P. O. | "..... | "..... | "..... | | |
| St. Louis..... | Johnson City..... | " 27, 1896 | 6 00 | | |
| Williamson Co. Coal Co., P. O. | "..... | "..... | "..... | | |
| St. Louis..... | "..... | April 16, 1896 | 6 00 | | |
| T. L. Bailey..... | Makanda..... | Mar. 3, 1896 | 6 00 | | |
| Coulterville Mining Co..... | Coulterville..... | 21, 1896 | 6 00 | | |
| "..... | "..... | May 28, 1896 | 6 00 | | |
| Argus Barton & Co..... | Sato..... | Mar. 24, 1896 | 6 00 | | |
| W. C. Baird, P. O. Carbondale. | Boskey Dell..... | April 13, 1896 | 6 00 | | |
| J. C. Rich, P. O. Carbondale... | "..... | " 13, 1896 | 6 00 | | |
| J. A. Preston, P. O. Carbondale | "..... | " 14, 1896 | 6 00 | | |
| Marion Coal Co..... | Marion..... | " 17, 1896 | 8 00 | | |
| John Myer..... | Percy..... | June 5, 1896 | 6 00 | | |
| Fred Rosendorf..... | Cutler..... | " 5, 1896 | 6 00 | | |
| Geo Brueggemann..... | Nashville..... | " 11, 1896 | 6 00 | | |
| Cicero Barber & Bro..... | Tamaroa..... | " 19, 1896 | 6 00 | | |
| Tamaroa Colliery Co..... | "..... | " 19, 1896 | 6 00 | | |
| Detric Strameyer..... | Percy..... | " 4, 1896 | | | |

Summary for State.

| District. | Total amount of fees of inspection service. | Amount paid. | Amount unpaid. |
|-----------------|---|--------------|----------------|
| First | \$1,012 | \$214 | \$798 |
| Second | 1,172 | 142 | 1,030 |
| Third | 1,380 | 124 | 1,256 |
| Fourth | 1,462 | 144 | 1,318 |
| Fifth | 840 | 78 | 762 |
| Sixth | 1,212 | 110 | 1,102 |
| Seventh | 1,070 | 142 | 928 |
| The State | \$8,148 | \$954 | \$7,194 |

DECISION OF THE SUPREME COURT IN THE MATTER OF WEIGHING COAL AT THE MINES.

William Harding and Charles Emery }
 The People of the State of Illinois. } Error to Vermilion.
 vs.
 Cartwright, J.:

Plaintiffs in error were indicted and convicted for a violation of the act requiring the weighing of coal at the mines, in force July 1, 1887, as amended by act in force July 1, 1891. Some of the counts, upon which they were found guilty, charged them with a failure to weigh all the coal delivered from the mine; and others charged them with not keeping a correct record of the weight of each miner's car.

The portion of the act under which the prosecution was had, material to the same, is as follows:

1. That the owner, agent or operator of every coal mine in this State, at which miners are paid by weight, shall provide at such mines suitable and accurate scales of standard manufacture for the weighing of all coal which shall be hoisted or delivered from such mines.

2. All coal so delivered from such mines shall be carefully weighed upon the scales as above provided, and a correct record shall be kept of the weight of each miner's car, which record shall be kept open at all reasonable hours for the inspection of all miners or others pecuniarily interested in the product of such mine. The person designated and authorized to weigh the coal and keep such record shall, before entering upon his duties, make and subscribe to an oath before some magistrate or other officer authorized to administer oaths, that he will accurately weigh and carefully keep a true record of all coal delivered from such mine, and such oath shall be kept conspicuously posted at the place of weighing.

3. Any person, owner or agent, operating a coal mine in this State, who shall fail to comply with the provisions of this act, or who shall obstruct or hinder the carrying out of its requirements, shall be fined for the first offense not less than fifty dollars (\$50) nor more than two hundred dollars (\$200); for the second offense not less than two hundred dollars (\$200) nor more than five hundred dollars (\$500); and for a third offense, not less than five hundred dollars (\$500), or be imprisoned in the county jail not less than six months nor more than one year: *Provided*, That the provisions of this act shall apply only to coal mines whose product shall be shipped by rail or water.

The constitutionality of this act is challenged by plaintiffs in error; and this is the only question that will be considered; although the application of the statute to this case is disputed, and questions of variance, and of error in the giving and refusing of instructions, are also raised.

It is objected that the act is in violation of section 2 of article II of our constitution, which provides that no person shall be deprived of life, liberty or property without due process of law, because it singles out operators of one class of coal mines and imposes restrictions upon them not required to be borne by operators of other mines, or by persons engaged in other business; and also by interfering with the right of employer and laborer to contract with each other.

The Consolidated Coal Company had owned and operated the mine where plaintiffs in error were employed for six or seven years. The greater part of its product was shipped from the mine by rail, on the Wabash railroad, and sold in other markets. All the coal so shipped was correctly weighed on scales of standard manufacture by the company, at the mine, before being dumped into the railroad cars; and a correct record was made of the weight of each miner's car, and that record was posted and kept open at all reasonable hours for the inspection of the miners or any person interested. During this time the company had also furnished the Wabash Railroad Company with coal for its locomotives, which was delivered at the mines into the tenders of the locomotives as they stopped there for coal. There were about 250 miners employed, and the average output of the mine was from 700 to 950 tons of screened coal per day. The miners were paid 55 cents per ton for screened coal. About the last 100 miners' cars that came up in the evening of each day would be placed on the storage tracks, for the purpose of coaling the locomotives during the night and the next day. This last coal was not weighed, but each miner was given the average weight of the cars sent up by him and weighed during the day as the weight of his last car, crediting him with the average weight of the cars mined by him that day that had been actually weighed.

By the act under consideration its provisions are applied only to coal mines whose product is shipped by rail or water; and the learned Attorney General and counsel for the people construe the provision as making the law applicable to each mine where the major portion of its product is so shipped. However that may be, it is plain that the act not only singles out the operator of a mine and imposes restrictions and burdens upon him, as to the use and employment of his property, that are not imposed upon other branches of business similarly situated and conducted, but it divides the operators of mines, and only applies its provisions to those whose product is shipped in a certain manner.

In the various constitutions the phrases "due process of law" and "the law of the land" are used interchangeably, sometimes one being employed and sometimes the other; but they are synonymous, and the meaning is the same in every case. *Cooley's Constitutional Limitations*, 353.

In *Millett v. The People*, 117 Ill., 294, it was said of this phrase, "and this means general public law, binding upon the members of the community under

all circumstances, and not partial or private laws, affecting the rights of private individuals or classes of individuals," citing *Jones v. Reynolds*, 2 Texas, 251; *Wyenheimer v. The People*, 13 N. Y., 378; *Vanzandt v. Waddell*, 2 Yerger, 269. And the same declaration was made in *Frorer v. The People*, 141 Ill., 171, where the statute prohibiting engaging in keeping a truck store was held unconstitutional. And in *Braceville Coal Company v. The People*, 147 Ill., 66, where the same conclusion was reached as to an act to provide for the weekly payment of wages by a corporation.

The right to enact such a statute does not arise out of the police power, where much latitude is allowed in determining what may tend to insure the comfort, safety or welfare of society; and it is not authorized by Section 29 of Article IV of the Constitution, providing for laws to secure safety to coal miners. *Millett v. The People*, *supra*.

Each person subject to the laws has a right that he shall be governed by general public rules. Laws and regulations entirely arbitrary in their character, singling out particular persons not distinguished from others in the community by any reason applicable to such persons, are not of that class. Distinctions in rights and privileges must be based upon some distinction or reason not applicable to others. In *Braceville Coal Co. v. The People*, *supra*, it is said: "And it is only when such distinctions exist that differentiate in important particulars persons or classes of persons from the body of the people, that laws having operation only on such particular person or classes of persons have been held to be valid enactments."

No possible reason or distinction affecting any interest, justifying the division of mines made by the act, has been suggested except that it might be intended to reach mines in which the larger number of miners were employed. But this is not the division or distinction made; and does not in any manner follow from such division. It is not the language or purport of the act, and if such had been the intention of the legislature, it would certainly have been made manifest by basing the division or distinction upon the number of miners employed. The act applies equally to the owner of a small mine, where the product may not exceed a car load per day, and the owner of a mine such as that of the Consolidated Coal Company. The distinction is based solely upon the fact of the product being shipped by rail or water; and counsel have been able to suggest no reason why the legislature should require the product of such a mine to be weighed in the manner specified, and not that of another mine where the product is sold on the spot. The distinction between operators who sell their product at the mine to some shipper, who ships it away to the market, and those who themselves ship their coal by rail or water, is purely arbitrary. Any reason that would apply to one, calling for restriction upon the manner of doing business would be equally applicable to the other; and special burdens and restrictions upon one class not imposed upon the other constitute an arbitrary deprivation of rights. As the act makes that an offense if committed by a person engaged in one branch of mining, which, if done by persons in another branch of the same business, is lawful, without any reason for distinction between the two, we must regard it as unconstitutional.

In *Millett v. The People*, *supra*, and *Ramsey v. The People*, 142 Ill. 380, where provisions similar to those of the act now under consideration were held to be unconstitutional and void, the general right of the laborer and employer to contract in regard to the price of labor, and the method of ascertaining the price, was asserted; and the rule was laid down that any restriction upon that right is a deprivation of both liberty and property within the meaning of the constitutional provision.

In view of the discussion of the principles involved in those cases, no extended statement of them will be necessary here. This act makes it an offense against the law for the employer and laborer, at any coal mine at which the miners are paid by weight, to determine upon the weight of any miner's car, or any lot of coal, by any other method than that pointed out by the statute. A failure to weigh a car and to keep a correct record of the weight, renders the operator liable to the penalties prescribed by the act, although he and the laborer may have agreed upon the weight of the car, or contracted for other methods of determining the weight. This is well illustrated by the facts of this case. The last cars that came up in the evening of each day, designed for coaling the locomotives, would not be weighed until the coal was dumped into the tenders, so that the miners could not obtain the weights until the next day, and they wanted them the same evening. For this reason and at the instance of the miners, it had been the custom for six years to give each miner the weight according to the system above stated. When the company attempted to change this system and weigh the coal, the miners objected, and insisted upon the custom of averaging the weights. No objection was ever made by any miner to this manner of arriving at the weight instead of weighing the cars on the scales.

Here was an arrangement amounting to a contract between the parties with which all the contracting parties were satisfied. And the testimony upon which the plaintiffs in error were convicted came from miners who left during the miners' strike of 1894, and were not again employed by the company.

It seems that a law which deprives men engaged in the business of mining from contracting with each other for the purpose of ascertaining the weight of the coal mined, or the amount due them, in any manner mutually satisfactory, cannot be sustained. That such is the effect of this law is the contention of counsel for the People; and it is only upon the assumption that the law does so control the power to contract, that a conviction could have been had in this case; for, as already seen, the parties had contracted otherwise. The act takes away the freedom of contracting by the parties for the ascertainment of the weight of coal, except by a certain method, and in our opinion it is unconstitutional.

The judgment will be reversed and the cause remanded, with directions to the Circuit Court to discharge the defendants.

JUDGMENT REVERSED.









